JVC

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-37S60BU, LT-37S60BU/B, LT-37S60BU/P, LT-37S60BU/Q, LT-37S60SU, LT-37S60SU/B, LT-37S60SU/P, LT-37S60SU/Q

BASIC CHASSIS
FL2

Supplementary

Please be informed that this service manual contains the related matters following the parts replacement in the LCD PANEL UNIT.
For details other than those described in this manual, please refer to the LT-37S60BU and LT-37S60BU/P service manual (No.YA298, 2005/9) LT-37S60BU/B and LT-37S60BU/Q service manual (No.YA298B, 2005/10) LT-37S60SU, LT-37S60SU/B, LT-37S60SU/P and LT-37S60SU/Q service manual (No.YA298D, 2005/10).

SECTION 1
PRECAUTION

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

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No.YA298E
2006/5

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

3.1.1 REMOVING THE CONTROL PWB (Fig.1)

(1) Remove the 4 screws **[A]**.
(2) Remove the CONTROL PWB COVER.
(3) Remove the CONTROL PWB.

NOTE:

The CONTROL PWB is not supplied.

3.1.2 REMOVING THE INVERTER PWB (Fig.1)

(1) Remove the 10 screws **[B]**.
(2) Remove the INVERTER PWB COVER.
(3) Remove the 1 screws **[C]**.
(4) Remove the INVERTER PWB-1.
(5) Remove the 1 screws **[D]**.
(6) Remove the INVERTER PWB-2.
(7) Follow the same steps when removing the INVERTER PWB-3 and INVERTER PWB-4.

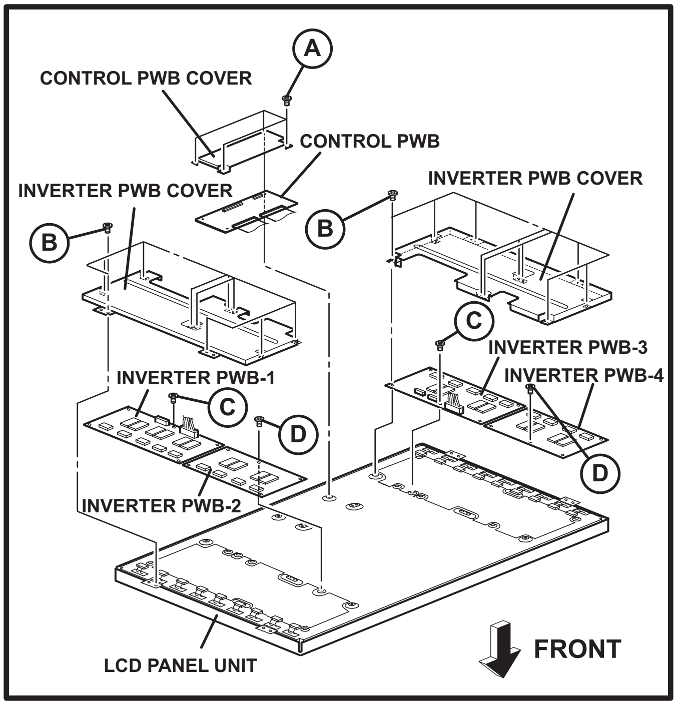


Fig.1

3.1.3 REMOVING THE LAMP UNIT (Fig.2)

A symptom of LAMP UNIT failure:
If any of the LAMP UNIT (2 lamps/ pair) dies, the screen display appears just once for a moment when the power is on, and then it disappears. The INVERTER PWB failure shows the same symptom.

CAUTION:

- Replace the LAMP UNIT in the place where there is less dust.
- When replacing the LAMP UNIT, make sure to wear gloves. Any soil on the LCD PANEL results in uneven colour and uneven brightness. The soil on the LCD PANEL also results in short LAMP UNIT life.

- Remove the INVERTER PWB.

(1) Remove the 4 screws **[A]** and 10 screws **[B]**.
(2) Remove the TOP PANEL FRAME.
(3) Remove the FPC WIRE form the SOURCE PWB.
(4) Remove the 4 screws **[C]** and 10 screws **[D]**.
(5) Remove the CENTRE PANEL FRAME with LCD PANEL.

CAUTION:
When removing the CENTRE PANEL FRAME, spread a cloth over the LCD PANEL to protect it from being damaged.

(6) Remove the 4 PANEL SHEETS together all at once.

CAUTION:

- Make sure to check the attachment order before removing the PANEL SHEETS as the attachment order and the front-back sides (positions) of the PANEL SHEETS are decided.
- When attaching the PANEL SHEETS, adjust the notches in the right and the left corners to the notches of the LAMP HOLDERS.

(7) Remove the LAMP HOLDER.
(8) Remove the LAMP CLIP.
(9) Remove the LAMP UNIT.

CAUTION:
When replacing the LAMP UNIT, be careful to avoid any dust entering inside.

CAUTION ON EXCHANGING THE LAMP UINT

- LAMP UNIT is supplied in a pair of two lamps. Replacing only the died one pair of the LAMP UNIT after a long use results in a brighter spot, causing unevenness on the screen. Replace the whole LAMP UNITS (9 pairs) when replacement is required.
- If the screws that are not specified in this section are removed, the LCD PANEL will be removed and it cannot be reassembled.

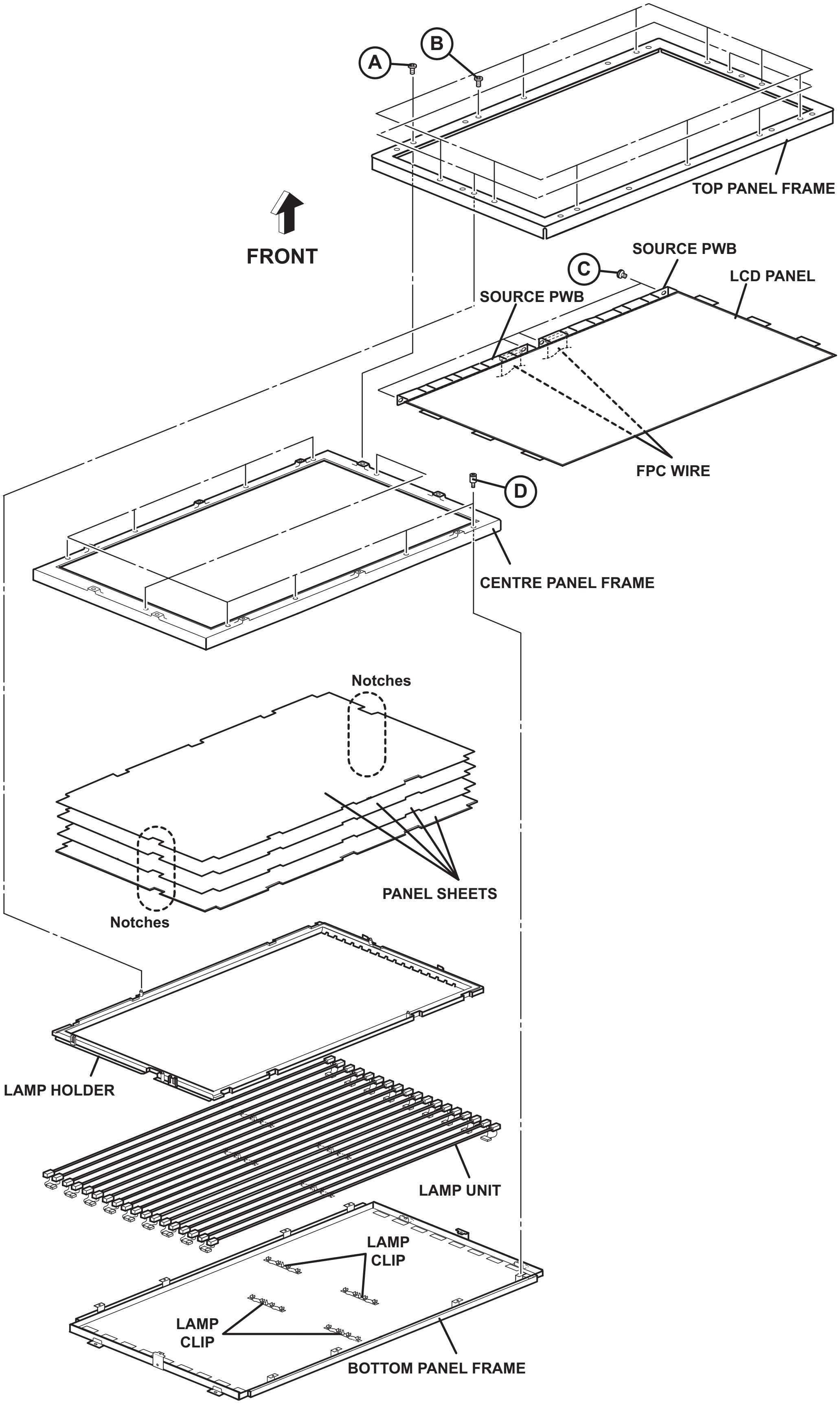

A
B
TOP PANEL FRAME
FRONT
SOURCE PWB
C
LCD PANEL
SOURCE PWB
FPC WIRE
D
CENTRE PANEL FRAME
Notches
PANEL SHEETS
Notches
LAMP HOLDER
LAMP UNIT
LAMP CLIP
LAMP CLIP
BOTTOM PANEL FRAME

Fig.2

SECTION 4
ADJUSTMENT

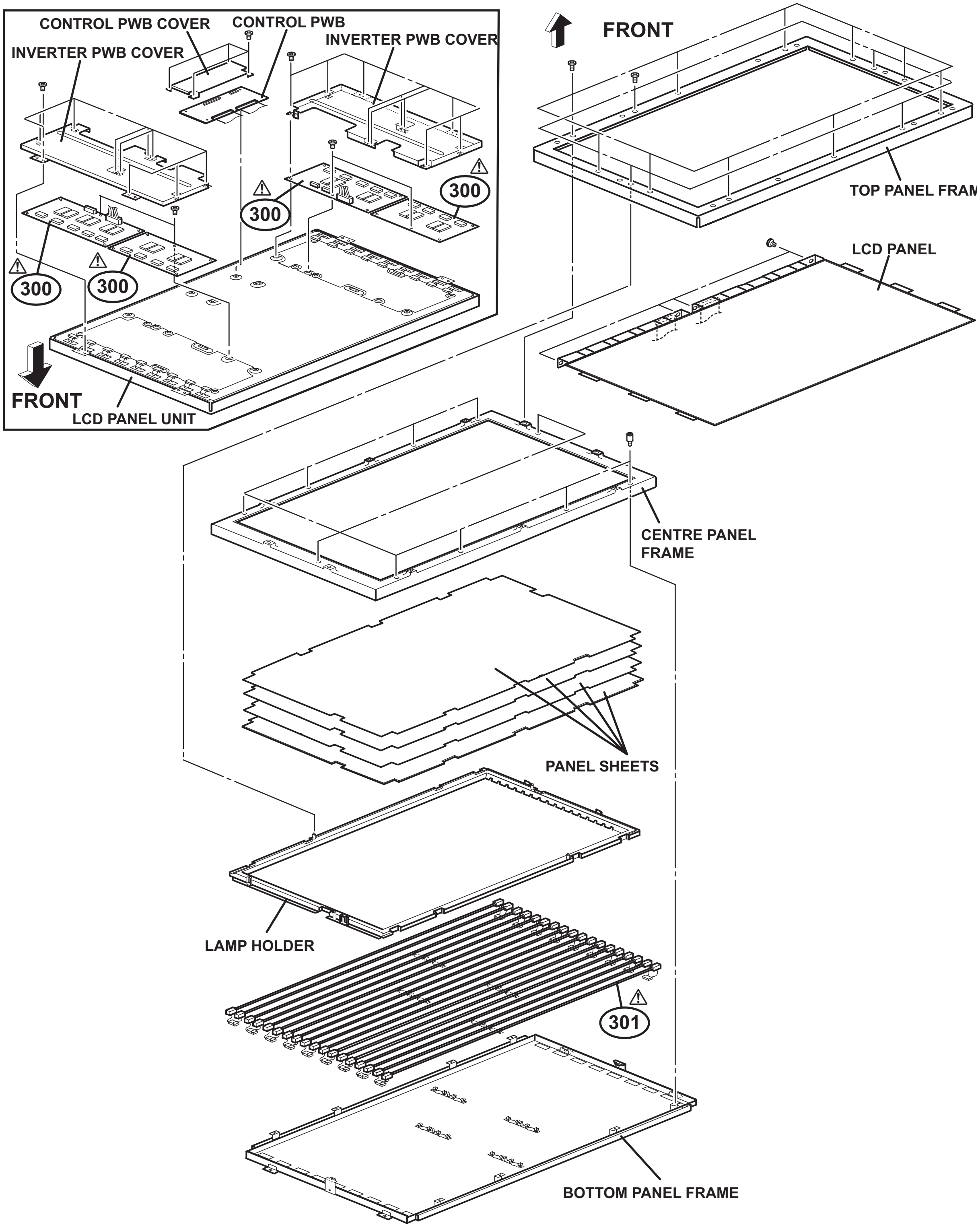
Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 5
TROUBLESHOOTING

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

PARTS LIST

EXPLODED VIEW


CONTROL PWB COVER
CONTROL PWB
INVERTER PWB COVER
INVERTER PWB COVER
300
300
300
300
FRONT
LCD PANEL UNIT
FRONT
TOP PANEL FRAM
LCD PANEL
CENTRE PANEL FRAME
PANEL SHEETS
LAMP HOLDER
301
BOTTOM PANEL FRAME

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	300	LQ0DDB5447	INVERTER PWB	4pcs in 1set	
⚠	301	LQ0DDB5442	LAMP UNIT	2pcs in 1set	

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VPT

JVC

SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-37S60BU/B,
LT-37S60BU/Q

BASIC CHASSIS
FL2

Supplementary

LT-37S60BU/B and LT-37S60BU/Q are the models whose accessories was changed based on LT-37S60BU and LT-37S60BU/P.
Therefore, this service manual describes only the items which differ from those of the LT-37S60BU and LT-37S60BU/P service manual.
For details other than those described in this manual, please refer to the LT-37S60BU and LT-37S60BU/P service manual (No.YA298, 2005/9).

DIFFERENCE LIST

PACKING PARTS LIST (Page 3-29)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		LT-37S60BU LT-37S60BU/P	LT-37S60BU/B LT-37S60BU/Q		
⚠	009	LCT1849-001B-U	---	INST BOOK	(Delete) Norwegian/Finn/Danish/Swedish
⚠	010	LCT1850-001B-U	---	INST BOOK	(Delete) Russian/Polish/Czech/Hungarian/Romanian/Bulgarian

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No.YA298B
2005/10

SECTION 1
PRECAUTION

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 3
DISASSEMBLY

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 4
ADJUSTMENT

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 5
TROUBLESHOOTING

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

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SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-37S60SU, LT-37S60SU/B, LT-37S60SU/P, LT-37S60SU/Q

BASIC CHASSIS
FL2

LT-37S60SU, LT-37S60SU/B, LT-37S60SU/P and LT-37S60SU/Q are the models whose paint colour was changed based on LT-37S60BU, LT-37S60BU/B, LT-37S60BU/P and LT-37S60BU/Q.
Therefore, this service manual describes only the items which differ from those of the LT-37S60BU, LT-37S60BU/B, LT-37S60BU/P and LT-37S60BU/Q service manual.
For details other than those described in this manual, please refer to the LT-37S60BU and LT-37S60BU/P service manual (No.YA298, 2005/9)(No.YA298C, 2005/10) LT-37S60BU/B and LT-37S60BU/Q service manual (No.YA298B, 2005/10)(No.YA298C, 2005/10).

MAIN DIFFERENCE POINT

Item	LT-37S60BU LT-37S60BU/B LT-37S60BU/P LT-37S60BU/Q	LT-37S60SU LT-37S60SU/B LT-37S60SU/P LT-37S60SU/Q
PAINT COLUR	BLACK	SILVER

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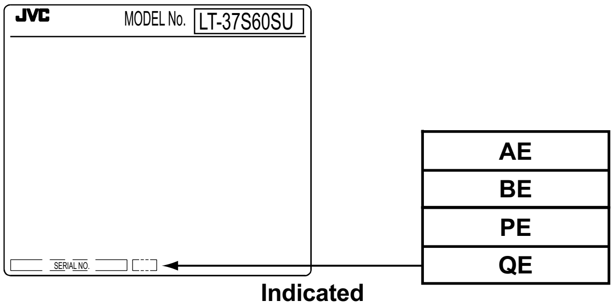
No.YA298D
2005/10

HOW TO IDENTIFY MODELS

LT-37S60SU: "AE" is added to the serial No. after at the Rating label.
LT-37S60SU/B: "BE" is added to the serial No. after at the Rating label.
LT-37S60SU/P: "PE" is added to the serial No. after at the Rating label.
LT-37S60SU/Q: "QE" is added to the serial No. after at the Rating label.



DIFFERENCE LIST

EXPLODED VIEW PARTS LIST-1 (Page 3-3)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		LT-37S60BU LT-37S60BU/B LT-37S60BU/P LT-37S60BU/Q	LT-37S60SU LT-37S60SU/B LT-37S60SU/P LT-37S60SU/Q		
	102	LC21991-001A-U	---	RATING LABEL	Not supply

EXPLODED VIEW PARTS LIST-2 (Page 3-5)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		LT-37S60BU LT-37S60BU/B LT-37S60BU/P LT-37S60BU/Q	LT-37S60SU LT-37S60SU/B LT-37S60SU/P LT-37S60SU/Q		
	158	LC12449-002A-U	LC12449-005B-U	FRONT PANEL ASSY	SILVER

PACKING PARTS LIST (Page 3-29)

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		LT-37S60BU LT-37S60BU/B	LT-37S60SU LT-37S60SU/B		
	002	GA10027-020A-U	GA10027-031A-U	EURO LABEL	

⚠	Ref. No.	Part No.		PART NAME	DESCRIPTION
		LT-37S60BU/P LT-37S60BU/Q	LT-37S60SU/P LT-37S60SU/Q		
	002	GA10027-018A-U	GA10027-058B-U	EURO LABEL	

SECTION 1
PRECAUTION

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 3
DISASSEMBL

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YAX298)" about this section.

SECTION 4
ADJUSTMENT

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

SECTION 5
TROUBLESHOOTING

Please refer to "LT-37S60BU and LT-37S60BU/P (No.YA298)" about this section.

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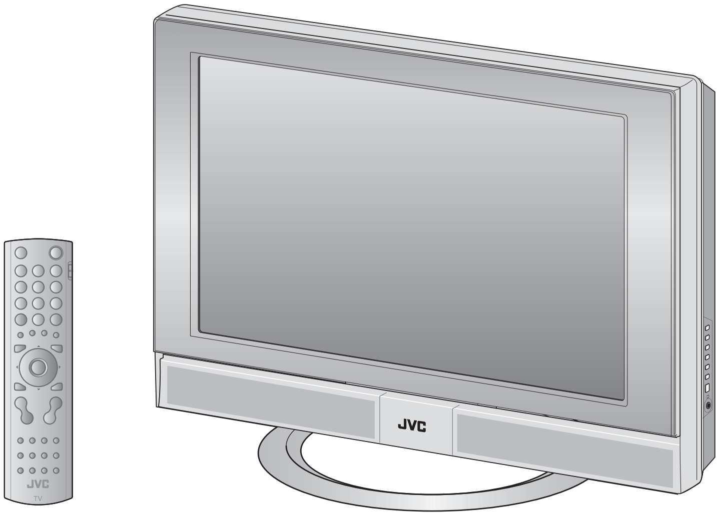
SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-37S60BU, LT-37S60BU/P

BASIC CHASSIS
FL2

DynaPiX Powered by D.I.S.T.
InteriArt
T-V LINK
BBE
HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE



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No.YA298
2005/9

SPECIFICATION

Items		Contents
Dimensions (W × H × D)		92.6 cm × 68.9 cm × 29.7 cm [Included stand] 92.6 cm × 63.1 cm × 10.8 cm [TV only]
Mass		25.7 kg [Included stand] 20.6 kg [TV only]
Power Input		AC110V - AC240 V, 50 Hz / 60 Hz
Power Consumption		171 W (Standby: 2.6 W)
TV RF System		CCIR B/G, I, D/K, L
Colour System		PAL / SECAM / NTSC 3.58 / NTSC 4.43 (NTSC: EXT only).
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K, L)
Teletext System		FLOF (Fastext), TOP, WST (World Standard System)
Receiving Frequency	VHF	47MHz to 470MHz
	UHF	470MHz to 862MHz
	CATV	116MHz to 172MHz / 220MHz to 469MHz
Intermediate Frequency	VIF	38.9MHz(B/G, D/K, I)
	SIF	33.4MHz(5.5MHz:B/G) / 32.9MHz(6.0MHz:I) / 32.4MHz(6.5MHz:L,D/K)
Colour Sub Carrier Frequency	PAL	4.43MHz
	SECAM	4.40625MHz / 4.25MHz
	NTSC	3.58MHz / 4.43MHz
LCD panel		37V-inch wide aspect (16 : 9)
Screen Size		Diagonal : 94.9 cm (H: 82.6 cm × V: 46.7 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		10 W + 10 W
Speaker		6.6 cm, round type × 2 (Oblique corn)
Aerial terminal (VHF/UHF)		75 Ω unbalanced, coaxial
EXT-1 / EXT-2 (Input / Output)		21-pin Euro connector (SCART socket) × 2
EXT-3 (Input)	S-Video	Mini-DIN 4 pin × 1 Y: 1 V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286 V (p-p) (Burst signal), 75 Ω
	Video	1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1
	Audio	500 mV (rms), High impedance, RCA pin jack × 2
EXT-4 (Input)	Component Video	RCA pin jack × 3
	750p / 1125i	Y : 1 V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75Ω Pb/Pr : ±0.35V(p-p), 75 Ω
	625p / 525p / 625i / 525i	Y : 1 V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω
	Audio	500 mV(rms) (-4dBs), high impedance, RCA pin jack × 2
HDMI Input	Video	HDMI connector × 1 (Digital-input terminal is not compatible with picture signals of computer signal)
	Audio	Digital: HDMI connector × 1 Anarog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 15 pin × 1 R/G/B : 0.7 V (p-p), 75Ω HD / VD : 1 V (p-p) to 5 V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5 kHz / Vertical : 60 Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4 kHz / Vertical : 60 Hz)
Audio output		500 mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C1813H (AA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⊜) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

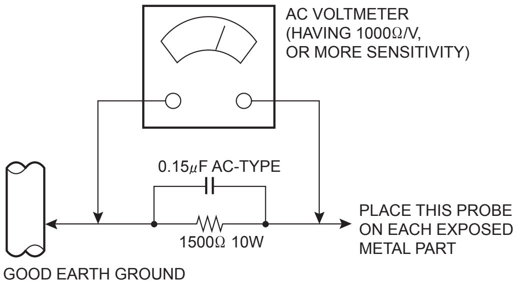
(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

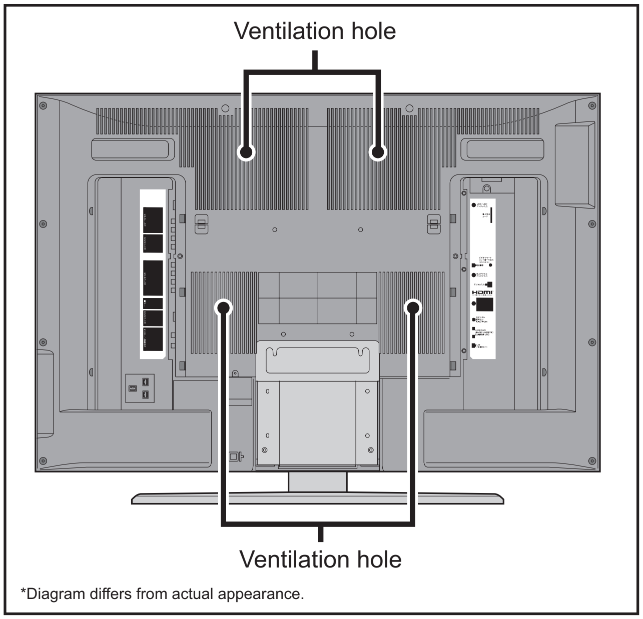


*Diagram differs from actual appearance.

1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

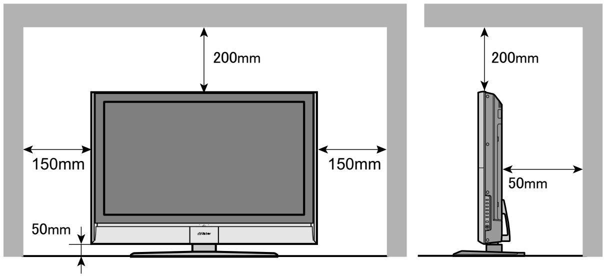


*Diagram differs from actual appearance.

1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

Tie commercially available tough cord(s) to the hooks in the back of the TV, and fix the TV to solid walls or columns.

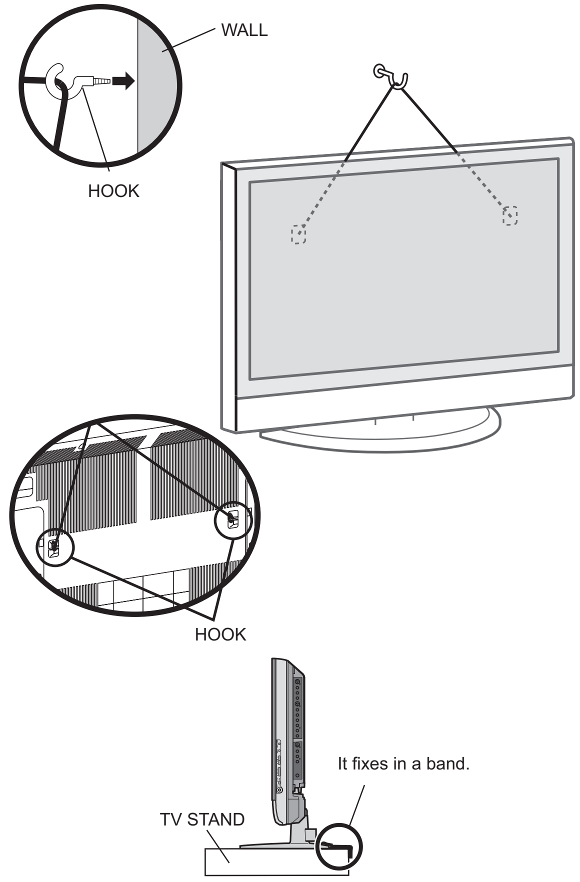


*Diagram differs from actual appearance.

1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE
When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER
Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

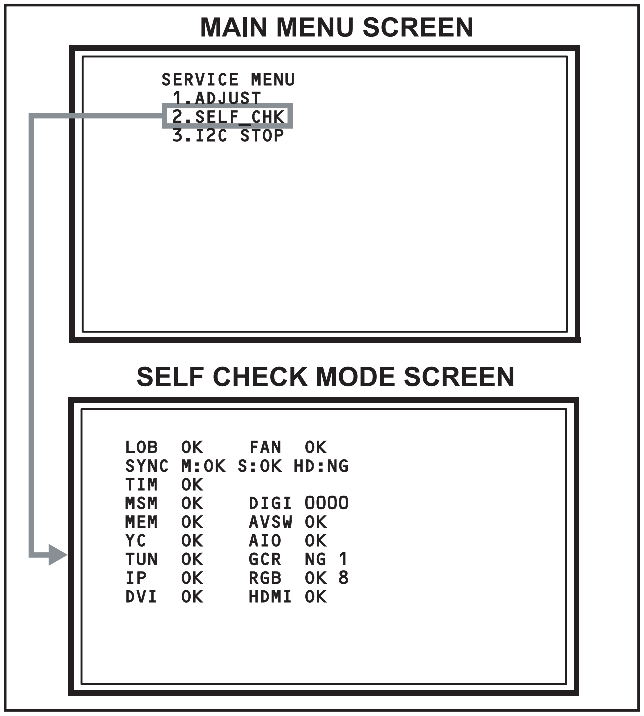
(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTEING

Be sure to carry out the following operation at the end of the procedure.

(1) Press the **[INFORMATION]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
(2) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
(3) Turn off the power by pressing the **[POWER]** key on the remote control unit.



```
SERVICE MENU
 1.ADJUST
 2.SELF_CHK
 3.I2C STOP
```

```
LOB  OK     FAN  OK
SYNC M:OK S:OK HD:NG
TIM  OK
MSM  OK     DIGI 0000
MEM  OK     AVSW OK
YC   OK     AIO  OK
TUN  OK     GCR  NG 1
IP   OK     RGB  OK 8
DVI  OK     HDMI OK
```

2.2 FEATURES

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

COLOUR MANAGEMENT

This function ensures dull colours are compensated to produce natural hues.

PICTURE MANAGEMENT

This function makes it easier to see the dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas.

ZOOM

This function can change the screen size according to the picture aspect ratio.

DIGITAL VNR

This function cuts down the amount of noise in the original picture.

SUPER DIGIPURE

This function uses the latest in digital technology to give you a natural-looking picture.

MOVIE THEATRE

This function displays a cinema film picture more smoothly and naturally on the screen.

3D CINEMA SOUND

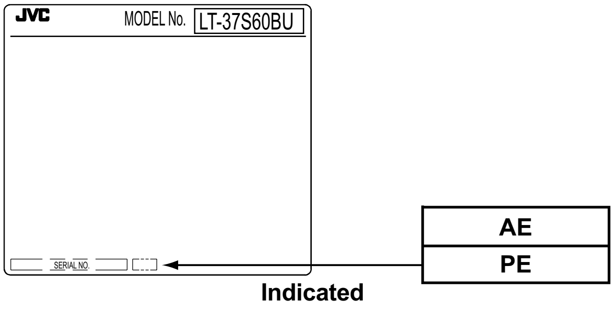
You can enjoy sounds with a widerambience.

2.3 MAIN DIFFERENCE LIST

Item	LT-37S60BU	LT-37S60BU/P
DIGITAL SIGNAL PWB	SFL0D238A-U2	LCA10557-71A (SFL-0D238A)

2.4 HOW TO IDENTIFY MODELS

LT-37S60BU: "AE" is added to the serial No. after at the Rating label.
LT-37S60BU/P: "PE" is added to the serial No. after at the Rating label.

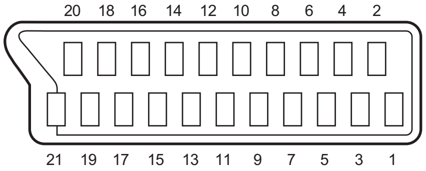


2.5 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)
7	B input	700mV$_{(B-W)}$, 75Ω	Used	Used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2 / TV-LINK)
11	G input	700mV$_{(B-W)}$, 75Ω	Used	Used
12	SDA		Not used	Used (SDA2)
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : 700mV$_{(B-W)}$, 75Ω C : 300mV$_{(P-P)}$, 75Ω	Used (R)	Used (C2/R)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	1V$_{(P-P)}$ (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	1V$_{(P-P)}$ (Negative sync), 75Ω	Used	Used
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



2.6 TECHNICAL INFORMATION

2.6.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.6.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications
Maximum dimensions (W × H × D)	877 mm × 545 mm × 56 mm
Weight	8.5 kg
Effective screen size	Diagonal: 949 mm (H: 826 mm × V: 467 mm)
Aspect ratio	16 : 9
Drive device / system	a-Si-TFT active matrix system
Resolution	Horizontally 1366 × Vertically 768 × RGB < W-XGA > 3147264 dots in total
Pixel pitch (pixel size)	Horizontally: 0.6 mm Vertically: 0.6 mm
Displayed colour	16777216 colours 256 colours for R G and B
Brightness	500cd/m2
Contrast ratio	800 : 1
Response time	6 ms
View angle	Horizontally: 170° Vertically: 170°
Surface polarizer	Anti-Glare type Low reflective coat
Colour filter	Vertical stripe
Backlight	Direct-type Cold cathode fluorescent lamp × 18
Power supply voltage in LCD	5 V
Power supply voltage in inverter	24 V
Panel interface system	LVDS (Low Voltage Differential Signaling)

2.6.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

- **BRIGHT FAULT**
  In this pixel fault, a cell that should not light originally is lighting on and off.
  For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.
- **DARK FAULT**
  In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
  For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.
- **FLICKER FAULT**
  In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
  For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.6.2 MAIN CPU PIN FUNCTION [IC7501 : DIGITAL SIGNAL PWB]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	TCK	I	Test purpose	65	D2	I/O	Program ROM data for main CPU
2	TMS	I	Test purpose	66	D12	I/O	Program ROM data for main CPU
3	TDI	I	Test purpose	67	D10	I/O	Program ROM data for main CPU
4	TDO	O	Test purpose	68	VSS33	-	GND
5	P2.8	O	Not used	69	VDD33	I	3.3V
6	P2.9	O	Blue for OSD	70	D4	I/O	Program ROM data for main CPU
7	P2.10	O	Blue for OSD	71	D3	I/O	Program ROM data for main CPU
8	P2.11	O	Blue for OSD	72	D11	I/O	Program ROM data for main CPU
9	P2.12	O	Blue for OSD	73	RSTIN	I	Reset
10	P2.13	O	Blue for OSD	74	POWER	O	Sleep state release for chassis CPU [Relese : L]
11	P2.14	I	Not used	75	P3.1	O	Not used
12	P2.15	O	Request for chassis CPU communication	76	REMOCON	I	Remote control
13	VSS33	-	GND	77	P3.3	I	Clock for OSD
14	VDD33	I	3.3V	78	P3.4	O	Red for OSD
15	P4.5	O	Not used	79	P3.5	O	Red for OSD
16	A20	O	Program ROM address for main CPU	80	P3.6	O	Red for OSD
17	A19	O	Program ROM address for main CPU	81	P3.7	O	Red for OSD
18	A18	O	Program ROM address for main CPU	82	MTST	O	Data transmission for chassis CPU communication
19	A17	O	Program ROM address for main CPU	83	MTSR	I	Data receive for chassis CPU communication
20	VSS25	-	GND	84	VSS33	-	GND
21	VDD25	I	2.5V	85	VDD33	I	3.3V
22	A16	O	Program ROM address for main CPU	86	VSS25	-	GND
23	A8	O	Program ROM address for main CPU	87	VDD25	I	2.5V
24	A7	O	Program ROM address for main CPU	88	TXD0	O	Communication for adjustment
25	A9	O	Program ROM address for main CPU	89	RXD0	O	Communication for adjustment
26	A6	O	Program ROM address for main CPU	90	P3.12	O	Red for OSD
27	A5	O	Program ROM address for main CPU	91	CLK	O	Clock for chassis CPU communication
28	A10	O	Program ROM address for main CPU	92	P3.15	O	Green for OSD
29	A11	O	Program ROM address for main CPU	93	P5.14	O	Green for OSD
30	A12	O	Program ROM address for main CPU	94	P5.15	O	Green for OSD
31	VSS33	-	GND	95	TRIG_IN	O	Green for OSD
32	VDD33	I	3.3V	96	TRIG_OUT	O	Green for OSD
33	A4	O	Program ROM address for main CPU	97	P6.2	O	Green for OSD
34	A3	O	Program ROM address for main CPU	98	P6.3	O	I^2C bus clock (for main memory)
35	A2	O	Program ROM address for main CPU	99	P6.4	I/O	I^2C bus Data (for main memory)
36	A1	O	Program ROM address for main CPU	100	P6.5	O	Teletext signal select [Analog RGB : H / Digital RGB : L]
37	A0	O	Program ROM address for main CPU	101	IRQ	O	Not used
38	A13	O	Program ROM address for main CPU	102	VSYNC	I	Vertical sync
39	ARAS/A14	O	Program ROM address for main CPU	103	HSYNC	I	Horizontal sync
40	CAS/A15	O	Program ROM address for main CPU	104	COR/RSTOUT	O	Not used
41	VSS33	-	GND	105	BLANK	O	Ys for OSD / Teletext
42	VDD33	I	3.3V	106	VDD33	I	3.3V
43	MEMCLK	O	Clock for memory	107	VSS33	-	GND
44	CSSDRAM	O	Chip select for memory	108	XTAL1	I	6MHz for system clock
45	CLKEN	O	Clock enable for memory	109	XTAL2	O	6MHz for system clock
46	CSROM	O	Chip select for memory	110	VSSA	-	GND
47	RD	O	Read for memory	111	VDDA	I	2.5V
48	UDQM	O	Control buffer of memory	112	R	O	R for OSD / Teletext
49	LDQM	O	Control buffer of memory	113	G	O	G for OSD / Teletext
50	WR	O	Write for memory	114	B	O	B for OSD / Teletext
51	D15	I/O	Program ROM data for main CPU	115	VSSA	-	GND
52	VSS33	-	GND	116	VDDA	I	2.5V
53	VDD33	I	3.3V	117	CVBS2	I	Video for Teletext
54	D7	I/O	Program ROM data for main CPU	118	VSSA	-	GND
55	D0	I/O	Program ROM data for main CPU	119	VDDA	I	2.5V
56	D14	I/O	Program ROM data for main CPU	120	CVBS1B	I	Video for Teletext
57	D8	I/O	Program ROM data for main CPU	121	CVBS1A	I	Video for Teletext
58	D6	I/O	Program ROM data for main CPU	122	VSSA	-	GND
59	D1	I/O	Program ROM data for main CPU	123	VDDA	I	2.5V
60	VSS33	-	GND	124	KEY1	I	Key scan data 1 [ON : H]
61	VDD33	I	3.3V	125	KEY2	I	Key scan data 2 [ON : H]
62	D13	I/O	Program ROM data for main CPU	126	MECA_SW	I	Main power ON / OFF control [ON : L]
63	D9	I/O	Program ROM data for main CPU	127	P5.3	I	Not used
64	D5	I/O	Program ROM data for main CPU	128	TMODE	I	Test purpose

2.6.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 : DIGITAL SIGNAL PWB]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	LB_PRO	O	Not used	51	BS_TXD	O	Data transmission for digital tuner communication
2	P_MU	O	Picture muting [Muting = H]	52	BS_RXD	I	Data receive for digital tuner communication
3	JP_CSB	O	Not used (NC)	53	NC	O	Not used (NC)
4	A_MU	O	Audio muting [Muting = H]	54	VREF+	I	3.3V power supply
5	M_MU	O	Audio muting (for AUDIO OUT) [Muting = H]	55	PDP_TX	O	Data transmission for SUB (DRIVE) CPU communication
6	PC_SEL	O	RGB(PC) INPUT select	56	PDP_RX	I	Data receive for SUB (DRIVE) CPU communication
7	ON_TIMER	O	POWER INDICATOR (LED) brightness [LOW = L]	57	SDA0	I/O	Data for Inter IC (serial) bus : EEP-ROM (IC7002)
8	ILA0	O	LCD back light lighting	58	SCL0	O	Clock for Inter IC (serial) bus : EEP-ROM (IC7002)
9	ILA1	O	LCD panel overshoot refresh timing	59	SDA_DVI	I/O	Not used : Data for Inter IC (serial) bus for panel communication
10	ILA2	O	Not used	60	SCL_DVI	O	Not used : Clock for Inter IC (serial) bus for panel communication
11	POW_LED	O	POWER LED lighting [ON = H]	61	AVSS	-	GND
12	WORD	O	Not used	62	DIGII_PHOT	I	Photo sensor for DIGITAL-IN illegal copy protection
13	MI_CK	I	Clock for main CPU communication	63	AGC	I	Not used
14	MI_TX	I	Data receive for main CPU communication	64	EXT_YS1	I	Not used
15	MI_RX	O	Data transmission for MAIN CPU communication	65	EXT_YS2	I	Not used
16	MI_REQ	O	Data request for main CPU communication [Request = L]	66	VDD	I	3.3V power supply
17	VDD	I	3.3V power supply	67	DIGI_PRO	O	For DIGITAL-IN (HDMI)
18	FOSC	O	Not used (NC)	68	GCR_RST	O	Not used (NC)
19	VSS	-	GND	69	GR_ON	O	Not used (NC)
20	X1	I	Not used : Low speed oscillatior	70	SYNC_SEL	O	Not used : Sync select for digital tuner
21	X0	O	Not used : Low speed oscillatior	71	NC	O	Not used (NC)
22	VDD	I	3.3V power supply	72	NC	O	Not used (NC)
23	OSC1	I	System clock osillation (crystal) : 16MHz	73	SBD5	I/O	Data for writing on board (connect CN01P : for Frash ROM type)
24	OSC0	O	System clock osillation (crystal) : 16MHz	74	SBT5	I	Clock for writing on board (connect CN01P : for Frash ROM type)
25	MODE	I	Single chip mode	75	NMI	I	3.3V power supply
26	BS1.5CTL	O	Digital tuner power / reset control	76	COMP	I	Not used : AV COMPULINK Ⅲ control
27	A92RES	O	Reset for IC1001(3D YC SEP / COLOUR DEMODULAT) [Reset = H]	77	REMO	I	Remote control
28	BS_RST	O	Not used : Reset for Digital tuner power / reset control	78	VSYNC	I	V. sync pulse
29	LIP_RST	O	Reset for Sound delay (Lip sync)	79	WAKE	I	Reset for sub(chassis) CPU
30	SOFT_OFF	O	Not used	80	POWERGOOD	I	Power error detection [NG = H]
31	VMUTE	I	Picture muting request from digital tuner	81	NC	O	Not used (NC)
32	VOUTENB	O	Video cutoff for digital tuner	82	RST	I	Reset for MAIN CPU [Reset = L]
33	MDR_CON	I	Not used: System cable connection monitor for PDP	83	VDD	I	3.3V power supply
34	AVDD	I	3.3V power supply	84	SCL3A	O	Clock for Inter IC (serial) bus control
35	BS_POW	O	Not used : Digital tuner power control	85	SDA3A	I/O	Data for Inter IC (serial) bus control
36	DsyncSW2	O	Sync select for DIGITAL-IN [Cotrolled with 99-pin]	86	SCL3B	O	Clock for Inter IC (serial) bus control
37	LB_POW	O	Power control for low bias line	87	SDA3B	I/O	Data for Inter IC (serial) bus control
38	NC	O	Not used (NC)	88	DIGI_SYNCSEL	O	Not used
39	HOTPLUG	I	Not used : Video communiation monitor for receiver unit (PDP)	89	DIGI_LRSW	O	For DIGITAL-IN (HDMI)
40	MECA_SW	I	Mechanical monitor for POWER switch [Push = L]	90	DIGI_INT	I	Reset for HDMI process [Reset = L]
41	MAIN_POW	O	Main power control [ON = L]	91	DVI_RST	O	Not used : Reset for DVI format conversion
42	MSP_RST	O	AUDIO OUT output mode select [VARIABLE = L]	92	VSS	-	GND
43	VREF-	I	Not used	93	SCL5055	O	Clock for Inter IC (serial) bus : JCC5055 (DIST process)
44	AFT2	I	Not used : AFT voltage for sub tuner	94	VFORMATSEL	O	Not used : Digital tuner clock control
45	AFT1	I	AFT voltage for VHF/UHF tuner	95	SDA5055	I/O	Data for Inter IC (serial) bus : JCC5055 (DIST process)
46	KEY2	I	Key scan data for front switch (MENU/CH+/CH-)	96	OSD_MODE_SEL	O	Not used : OSD mode select
47	KEY1	I	Key scan data for front switch (VOL+/VOL-)	97	NC	O	Not used (NC)
48	NC	O	Not used (NC)	98	15K/OTH	O	Main video select [Fixed = H]
49	NC	O	Not used (NC)	99	DsyncSW1	O	Sync select for DIGITAL-IN [Cotrolled with 36-pin]
50	AC_IN	I	AC power pulse for timer clock	100	57 BUSY	I	Busy monitor for JCC5057 (New DIST process)

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:

- **Be sure to perform the SYSTEM SETTEING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE STAND (Fig.1)

(1) Remove the 1 screw **[A]**, then remove the STAND COVER.
(2) Remove the 4 screws **[B]**, then remove the STAND.

3.1.2 REMOVING THE REAR COVER (Fig.1)

- Remove the STAND.

(1) Remove the JACK COVER (L/R).
(2) Remove the 10 screws **[C]**, the 3 screws **[D]**, and the 2 screws **[E]**.
(3) Remove the REAR COVER.

3.1.3 REMOVING THE REGULATOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 4 screws **[F]**, then remove the FAN BRACKET.
(2) Remove the 1 screw **[G]**, then remove the POWER CORD HOLDER.
(3) Remove the POWER CORD from the POWER PWB.
(4) Remove the REGULATOR PWB.

3.1.4 REMOVING THE POWER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.

(1) Remove the 4 screw **[H]**, then remove the POWER PWB.

3.1.5 REMOVING THE ANALOG SYGNAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.

(1) Remove the 3 screws **[J]**, then remove the TERMINAL BASE.
(2) Remove the 5 screws **[K]** and 1screw **[L]**, then remove the ANALOG SIGNAL PWB.

3.1.6 REMOVING THE FRONT CONTROL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 3 screws **[M]**, then remove the CONTROL ASSY with the FRONT CONTROL PWB.
(2) Remove the FRONT CONTROL PWB.

3.1.7 REMOVING THE RECEIVER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 3 screws **[N]** and the 1 screw **[P]**, then remove the TUNER BASE.
(2) Remove the 2 screws **[Q]**, then remove the RECEIVER PWB.

3.1.8 REMOVING THE CONNECTOR PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the TOP SHIELD CASE.

(1) Remove the 4 screws **[S]**, then remove the RECEIVER PWB BRACKET.
(2) Remove the 1 screw **[T]**, then remove the CONNECTOR PWB.

3.1.9 REMOVING THE DIGITAL SIGNAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the TUNER BASE.

(1) Remove the 7 screws **[U]** and the 3 screws **[V]**, then remove the SHIELD COVER.
(2) Remove the 5 screws **[W]**, then remove the DIGITAL BRACKET.
(3) Remove the DIGITAL SIGNALPWB.

CAUTION :

Make sure to perform the "SYSTEM SETTEING" according to before page, when DIGITAL SIGNAL PWB is replaced.

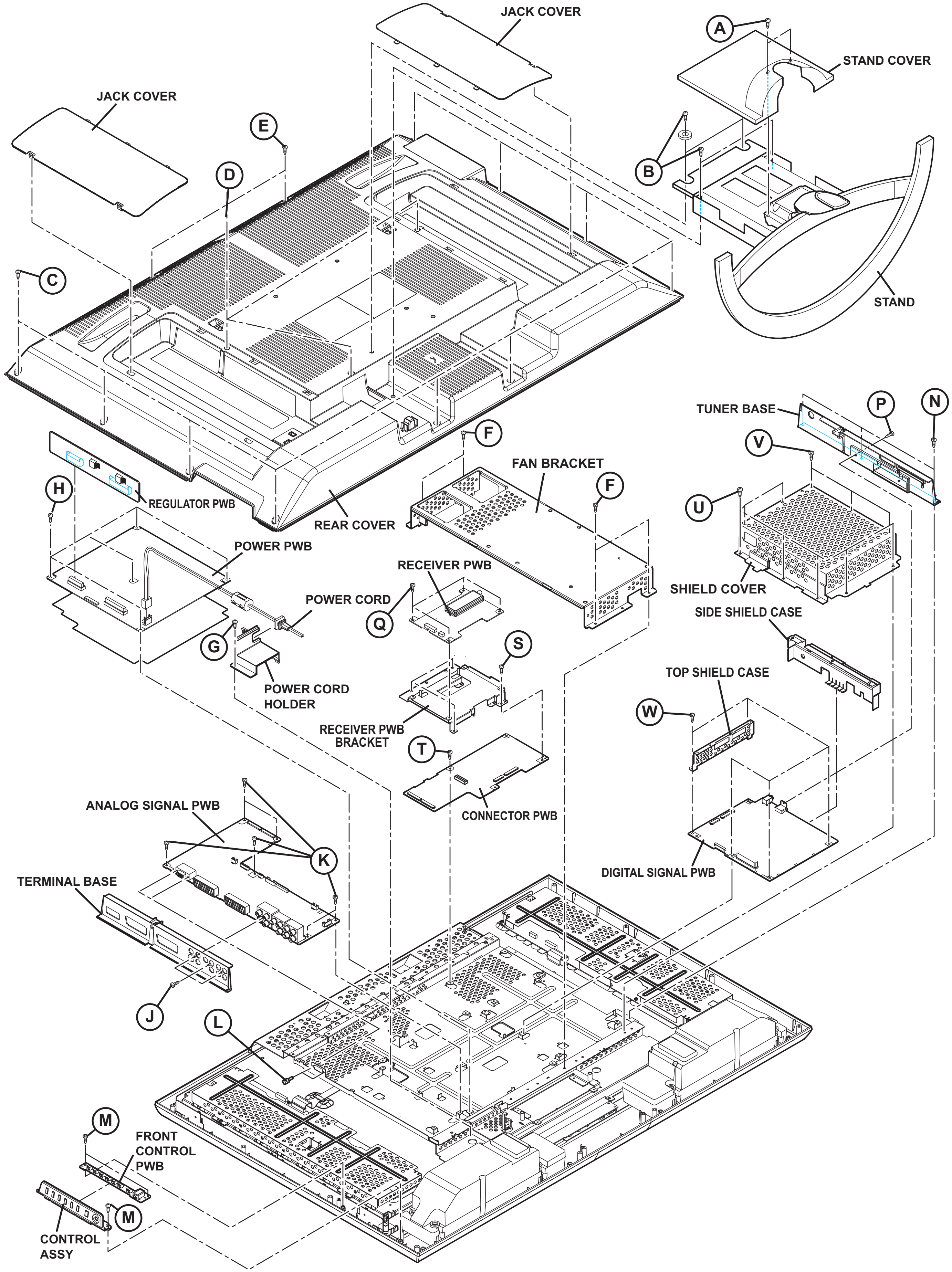

JACK COVER
A
STAND COVER
JACK COVER
E
B
D
C
STAND
TUNER BASE
P
N
V
F
FAN BRACKET
H
REGULATOR PWB
F
U
REAR COVER
POWER PWB
RECEIVER PWB
SHIELD COVER
POWER CORD
Q
SIDE SHIELD CASE
G
S
POWER CORD HOLDER
TOP SHIELD CASE
W
RECEIVER PWB BRACKET
T
ANALOG SIGNAL PWB
CONNECTOR PWB
K
TERMINAL BASE
DIGITAL SIGNAL PWB
J
L
M
FRONT CONTROL PWB
M
CONTROL ASSY

Fig.1

3.1.10 REMOVING THE SPEAKER (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.

(1) Remove the 6 screws **[A]**, then remove the SPEAKER (L /R).

NOTE:

- Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.
- When the speaker is decomposed, the performance cannot be kept.

3.1.11 REMOVING THE FRONT LED PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.

(1) Remove the 2 screws **[B]**, then remove the FRONT LED PWB.

3.1.12 REMOVING THE LED LENS (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.
- Remove the FRONT LED PWB.

(1) Remove the 2 screws **[J]**, then remove the LED LENS.

3.1.13 REMOVING THE LCD PANEL UNIT (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the FAN BRACKET.

(1) Remove the 2 screws **[C]**, then remove the MAIN BASE.
(2) Remove the 3 screws **[D]**, the 2 screws **[E]** and the 1 screw **[F]**, then remove the TOP FRAME.
(3) Remove the 2 screws **[G]** and the 2 screws **[H]**, then remove the BOTTOM FRAME.
(4) Remove the LCD PANEL UNIT from the FRONT PANEL.

NOTE:

- Pay special attention not to break or damage on the FRONT PANEL.
- The LCD PANEL UNIT is fixed to the FRONT PAMEL (at the back side)by using double-side adhesive tapes. To remove the LCD PANEL UNIT, remove the adhesive tape on the FRONT PANEL slowly.

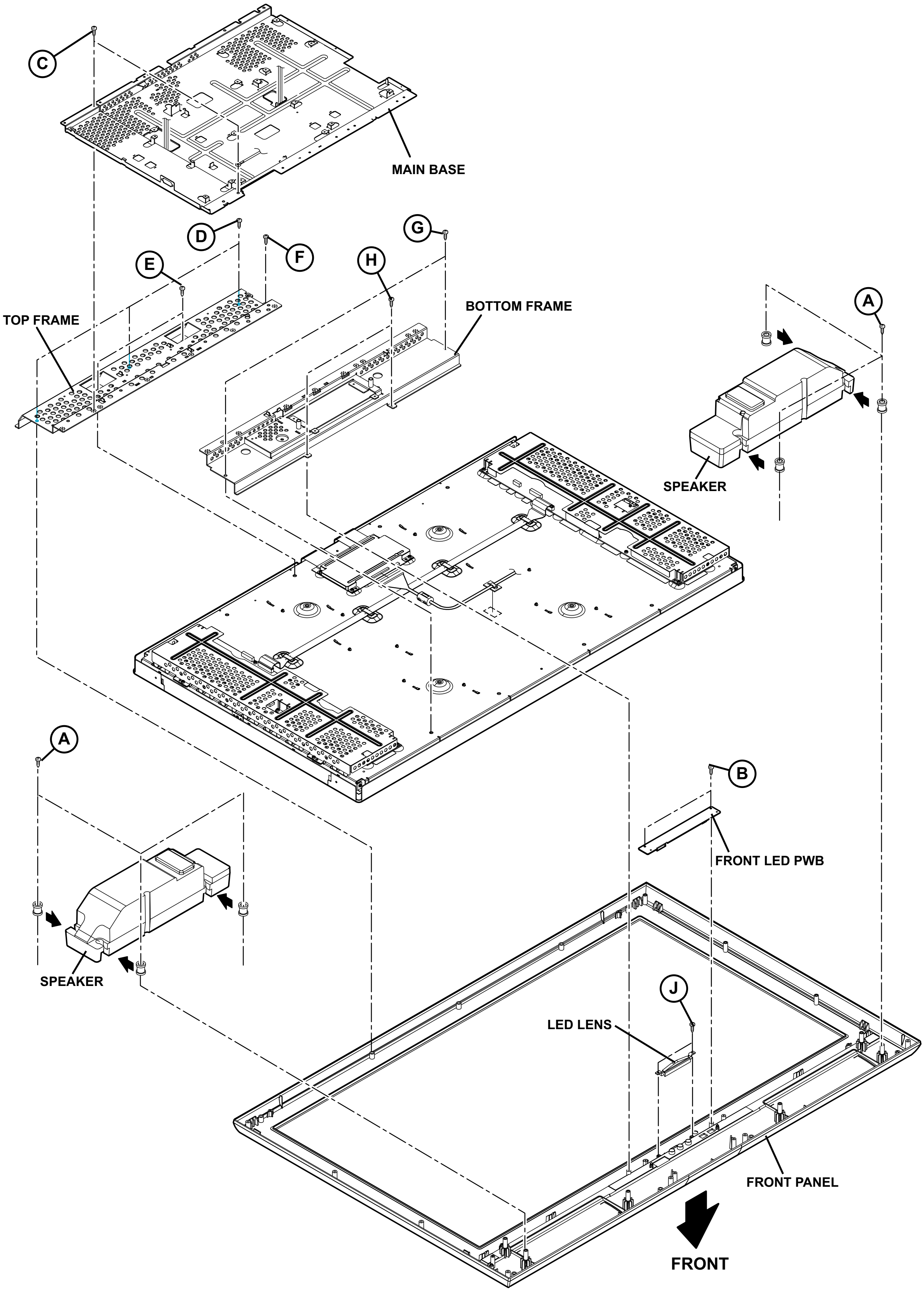

C
MAIN BASE
D
F
E
G
H
TOP FRAME
BOTTOM FRAME
A
SPEAKER
A
B
FRONT LED PWB
SPEAKER
J
LED LENS
FRONT PANEL
FRONT

Fig.2

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

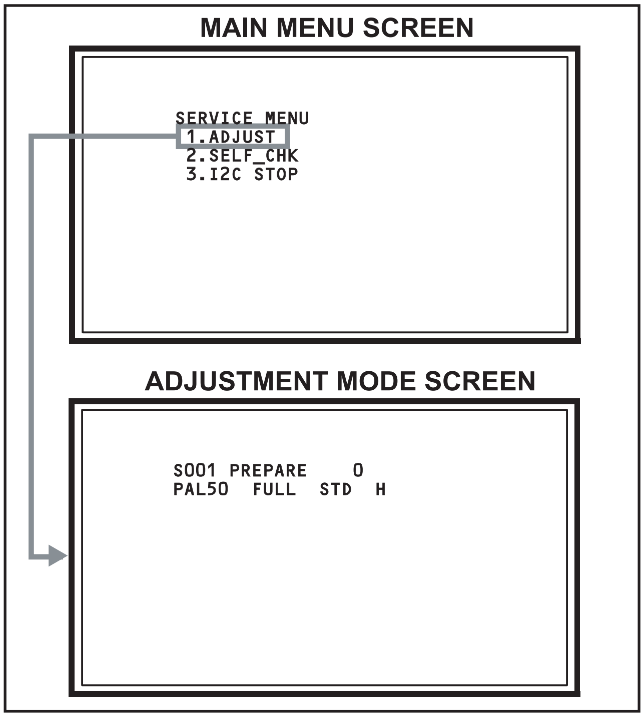


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S039
Audio system setting	Fixed	T001 - T010
Panel control system setting	Fixed	P001 - P010
Drive system setting	Fixed	D001 - D187
Main CPU system setting	Fixed	Z001 - Z010

3.2.3 SETTINGS OF FACTORY SHIPMENT

3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	10
TV/AV	TV

3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
ZOOM	PANORAMIC
3D SOUND	OFF

3.2.3.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item		Setting position
PICTURE MODE		BRIGHT
COLOUR TEMP.		COOL
FEATURES		
DIGITAL VNR		AUTO (LOW)
Super DigiPure		AUTO
MOVIE THEATRE		AUTO
COLOUR MANAGEMENT		ON
PICTURE MANAGEMENT		ON
COLOUR SYSTEM	TV	Depends on PR/CH
	EXT	AUTO
4:3 AUTO ASPECT		PANORAMIC

(2) SOUND

Setting item	Setting position
STEREO / I•II	Stereo sound
BASS	Centre
TREBLE	Centre
BALANCE	Centre
3D SOUND	OFF
A.H.B.	ON
BBE	ON

(4) FEATURES

Setting item	Setting position
SLEEP TIMER	OFF
CHILD LOCK	ID NO.0000, All CH off
APPEARANCE	TYPE D
BLUE BACK	ON
FAVOURITE SETTING	Reset
ILLUMINATION	BRIGHT

(5) SET UP

Setting item	Setting position
AUTO PROGRAM	TV channel automatically set
EDIT/MANUAL	PRESET CH only
LANGUAGE	ENGLISH
DECODER (EXT-2)	OFF
COMPONENT AUTO SELECT	ON
HDMI SETTING	AUTO
ATTENUATOR	OFF
EXT SETTING	
S-IN	BLANK
ID	BLANK
DUBBING	EXT-1 → EXT-2

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

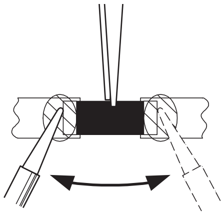
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

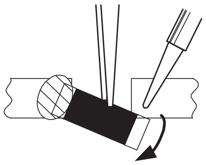
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

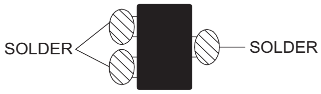


(2) Shift with the tweezers and remove the chip part.

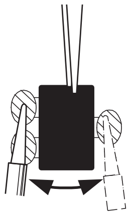


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



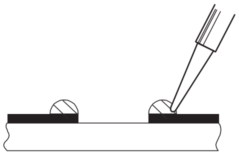
NOTE :

After removing the part, remove remaining solder from the pattern.

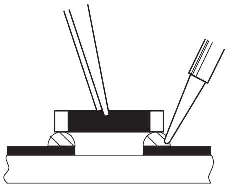
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

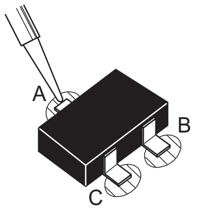


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

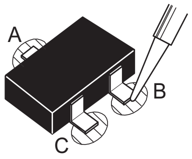


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings position
PICTURE MODE	STANDARD
PICTURE adjustments	Centre
COLOUR TEMP.	NORMAL
DIGITAL VNR	AUTO (LOW)
Super DigiPure	AUTO
MOVIE THEATRE	AUTO
COLOUR MANAGEMENT	ON
PICTURE MANAGEMENT	ON
SOUND adjustments	Centre
BBE	OFF
3D SOUND	OFF
A.H.B	OFF
ZOOM	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
  [PAL / 625i / 625p / 1125i(50Hz)]
- Remote control unit

4.4 ADJUSTMENT ITEMS

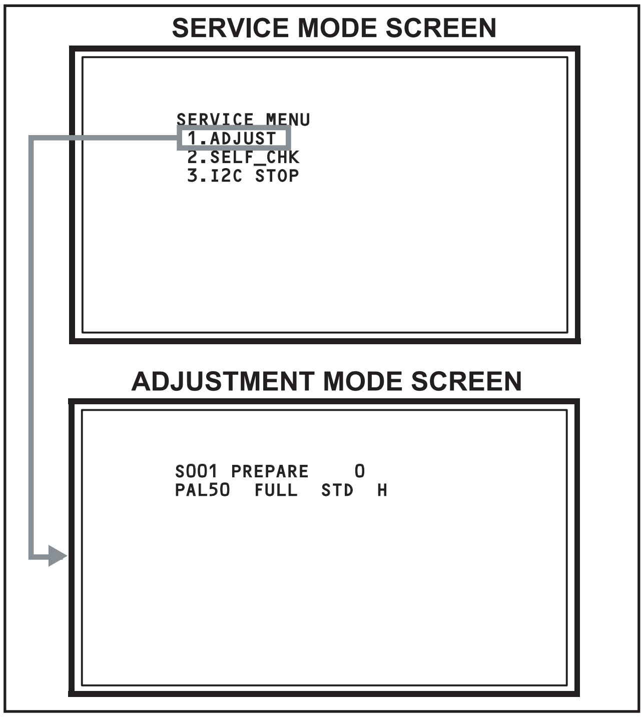
■ **VIDEO CIRCUIT**
- 625i A-D OFFSET adjustment
- 1125i(50Hz) BRIGHTNESS adjustment
- 1125i(50Hz) A-D OFFSET adjustment
- SUB SCREEN A-D OFFSET adjustment
- WHITE BALANCE (HIGH LIGHT) adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Press **[INFORMATION]** key and **[MUTING]** key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN.
(2) In the SERVICE MENU, press the **[1]** key to display ADJUSTMENT MODE SCREEN.

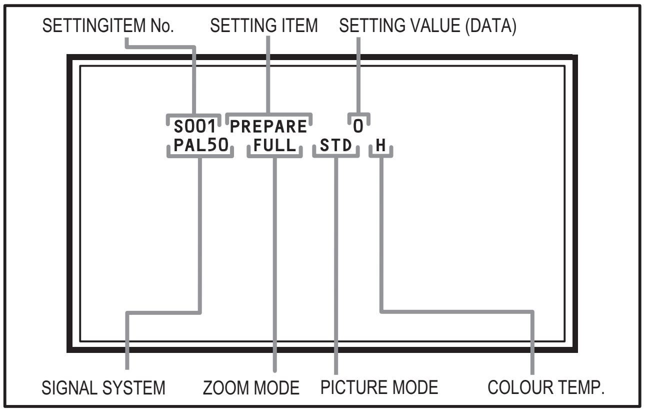
NOTE:
- Before entering the SERVICE MODE, confirm that the setting of VCR/TV/DVD switch is at the "**TV**" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** key is pressed in the SERVICE MODE SCREEN, the other relevant screen may be displayed.
  This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MODE SCREEN.



4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[MENU]** key to exit the Service mode.

4.5.3 DESCRIPTION OF STATUS DISPLAY


SETTINGITEM No.
SETTING ITEM
SETTING VALUE (DATA)
S001
PREPARE
0
PAL50
FULL
STD
H
SIGNAL SYSTEM
ZOOM MODE
PICTURE MODE
COLOUR TEMP.

(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

PAL50 : PAL50Hz (Composite / S-video)
PAL60 : PAL60Hz (Composite / S-video)
SECAM : SECAM
NTSC3 : NTSC3.58
NTSC4 : NTSC4.43
525I : 525i (Component)
525P : 525p
625I : 625i (Component)
625P : 625p
1125I5 : 1125i 50Hz
1125I6 : 1125i 60Hz
RGB5 : RGB 525i
RGB6 : RGB 625i
PCVGA : PC (VGA)
PCXGA : PC (XGA)
H525I : HDMI 525i
H525P : HDMI 525p
H625I : HDMI 625i
H625P : HDMI 625p
H750P : HDMI 750p
H1125I5 : HDMI 1125i 50Hz
H1125I6 : HDMI 1125i 60Hz

(2) ZOOM MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

FULL : FULL
PANO : PANORAMIC
1609 : 16:9 ZOOM
1609S : 16:9 ZOOM SUBTITLE
1409 : 14:9 ZOOM
REGU : REGULAR

MULTI SCREEN

M2 : 2-pictures multi
M12 : 12-pictures multi

(3) PICTURE MODE

STD : STANDARD
BRI : BRIGHT
SOFT : SOFT

(4) COLOUR TEMP.

H : COOL
M : NORMAL
L : WARM

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 to S039	Video system setting
T001 to T010	Audio system setting
P001 to P010	Panel control system setting
D001 to D187	Drive system setting
Z001 to Z010	Main CPU system setting

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "INITIAL SETTING VALUES IN THE SERVICE MODE".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM

- **[FUNCTION ▲/▼]** key.
  For scrolling up / down the setting items.

S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

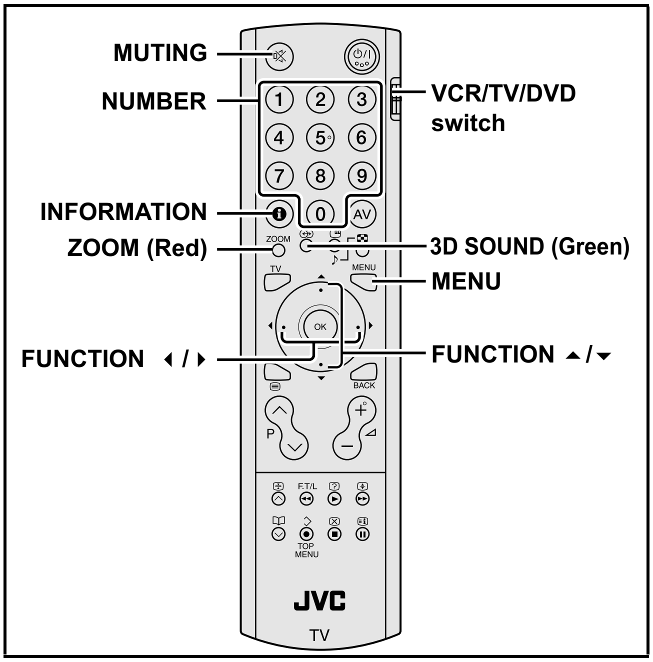
CHANGE OF SETTING VALUE (DATA)

- **[FUNCTION ◀ / ▶]** key.
  For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing **[MUTING]** key.

4.5.5 SERVICE MODE SELECT KEY LOCATION


MUTING
NUMBER
VCR/TV/DVD switch
INFORMATION
ZOOM (Red)
3D SOUND (Green)
MENU
FUNCTION ◀ / ▶
FUNCTION ▲/▼
JVC
TV

4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value
S001	PREPARE	0 - 31	0
S002	NTSC BL	0 - 15	0
S003	NTSC CNT	0 - 255	53
S004	NT CR OF	0 - 15	6
S005	NT CB OF	0 - 15	6
S006	525i BL	0 - 15	0
S007	525i CNT	0 - 255	53
S008	5i CB OF	0 - 15	0
S009	5i CR OF	0 - 15	0
S010	5i CR GN	0 - 15	6
S011	5i CB GN	0 - 15	6
S012	HD BL	0 - 63	59
S013	HD CB OF	0 - 63	59
S014	HD CR OF	0 - 63	56
S015	RT CONT	0 - 15	8
S016	RT CB OF	0 - 15	7
S017	RT CR OF	0 - 15	6
S018	RT CL GA	0 - 15	1
S019	PC CL MB	0 - 7	0
S020	PC CL LB	0 - 31	0
S021	PC CL MR	0 - 71	0
S022	PC CL LR	0 - 31	0
S023	(Not display)	0 - 255	0
S024	(Not display)	0 - 255	0
S025	(Not display)	0 - 255	0
S026	(Not display)	0 - 255	0
S027	(Not display)	0 - 255	0
S028	(Not display)	0 - 255	0
S029	(Not display)	0 - 255	0
S030	R DRIVE	0 - 255	133
S031	G DRIVE	0 - 255	132
S032	B DRIVE	0 - 255	95
S033	(Not display)	0 - 255	0
S034	(Not display)	0 - 255	0
S035	(Not display)	0 - 255	0
S036	(Not display)	0 - 255	0
S037	(Not display)	0 - 255	0
S038	(Not display)	0 - 255	0
S039	ILA COM	0 - 1	0

4.6.2 AUDIO SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
T001	IN LEVEL	0 - 255	0
T002	LOW SEP	0 - 255	0
T003	HIGH SEP	0 - 255	0
T004	AFC	0 - 255	0
T005	(Not display)	0 - 255	0
T006	ATT V ON	0 - 1	0
T007	ATT U ON	0 - 1	0
T008	ATT C ON	0 - 1	0
T009	(Not display)	0 - 255	0
T010	(Not display)	0 - 255	0

4.6.3 PANEL CONTOROL SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
P001	TM HOR H	00 - FF	00
P002	TM HOR L	00 - FF	00
P003	TM MIN	00 - FF	00
P004	TEMP	0 - 255	0
P005	(Not display)	0 - 255	0
P006	(Not display)	0 - 255	0
P007	(Not display)	0 - 255	0
P008	(Not display)	0 - 255	0
P009	(Not display)	0 - 255	0
P010	(Not display)	0 - 255	0

4.6.4 DRIVE SYSTEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
D001	SLV GN	00 - 3F	15
D002	SLVH GN	00 - 3F	12
D003	SLH GN	00 - 3F	15
D004	SLV Pf	00 - 03	01
D005	SLH Pf H	00 - 01	01
D006	SLH Pf L	00 - 03	01
D007	SL EGCON	00 - 3F	10
D008	SL EGONF	00 - 01	01
D009	SL CRGON	00 - 3F	09
D010	SL CRGON	00 - 01	01
D011	SL ON OF	00 - 01	01
D012	SV GN	00 - 3F	0A
D013	SVH GN	00 - 3F	09
D014	SH GN	00 - 3F	0B
D015	SV Pf	00 - 03	01
D016	SV PfH	00 - 01	01
D017	SV PfL	00 - 03	01
D018	SYL CON	00 - 3F	30
D019	SYL CONF	00 - 01	01

Item No.	Item name	Variable range	Setting value
D020	SYH CON	00 - 3F	00
D021	SYH CONF	00 - 01	01
D022	SC CON	00 - 3F	1A
D023	SC CNONF	00 - 01	01
D024	SPM BLC	00 - 3F	00
D025	SPM BLCO	00 - 01	01
D026	SLIM	00 - 3F	30
D027	SLIMONF	00 - 01	01
D028	SCRG	00 - 3F	09
D029	SRGONF	00 - 01	01
D030	S ONF	00 - 01	01
D031	pb GN	00 - 3F	15
D032	pb PfH	00 - 01	01
D033	pb PfL	00 - 03	00
D034	pb CRG	00 - 3F	10
D035	pb CRGON	00 - 01	01
D036	pb ONF	00 - 01	01
D037	pr GN	00 - 3F	15
D038	pr PfH	00 - 01	01
D039	pr PfL	00 - 03	00
D040	pr CRG	00 - 3F	10
D041	pr CRGON	00 - 01	01
D042	pr ONF	00 - 01	01
D043	ENH ONF	00 - 01	01
D044	(Not display)	00 - FF	00
D045	(Not display)	00 - FF	00
D046	(Not display)	00 - FF	00
D047	(Not display)	00 - FF	00
D048	(Not display)	00 - FF	00
D049	(Not display)	00 - FF	00
D050	(Not display)	00 - FF	00
D051	(Not display)	00 - FF	00
D052	(Not display)	00 - FF	00
D053	(Not display)	00 - FF	00
D054	(Not display)	00 - FF	00
D055	(Not display)	00 - FF	00
D056	(Not display)	00 - FF	00
D057	(Not display)	00 - FF	00
D058	(Not display)	00 - FF	00
D059	(Not display)	00 - FF	00
D060	(Not display)	00 - FF	00
D061	(Not display)	00 - FF	00
D062	(Not display)	00 - FF	00
D063	(Not display)	00 - FF	00
D064	(Not display)	00 - FF	00
D065	(Not display)	00 - FF	00
D066	(Not display)	00 - FF	00
D067	(Not display)	00 - FF	00
D068	(Not display)	00 - FF	00
D069	(Not display)	00 - FF	00

Item No.	Item name	Variable range	Setting value
D070	(Not display)	00 - FF	00
D071	(Not display)	00 - FF	00
D072	(Not display)	00 - FF	00
D073	(Not display)	00 - FF	00
D074	(Not display)	00 - FF	00
D075	(Not display)	00 - FF	00
D076	(Not display)	00 - FF	00
D077	(Not display)	00 - FF	00
D078	(Not display)	00 - FF	00
D079	(Not display)	00 - FF	00
D080	(Not display)	00 - FF	00
D081	(Not display)	00 - FF	00
D082	(Not display)	00 - FF	00
D083	(Not display)	00 - FF	00
D084	(Not display)	00 - FF	00
D085	(Not display)	00 - FF	00
D086	(Not display)	00 - FF	00
D087	(Not display)	00 - FF	00
D088	(Not display)	00 - FF	00
D089	(Not display)	00 - FF	00
D090	(Not display)	00 - FF	00
D091	(Not display)	00 - FF	00
D092	(Not display)	00 - FF	00
D093	(Not display)	00 - FF	00
D094	(Not display)	00 - FF	00
D095	(Not display)	00 - FF	00
D096	(Not display)	00 - FF	00
D097	(Not display)	00 - FF	00
D098	(Not display)	00 - FF	00
D099	(Not display)	00 - FF	00
D100	(Not display)	00 - FF	00
D101	(Not display)	00 - FF	00
D102	(Not display)	00 - FF	00
D103	(Not display)	00 - FF	00
D104	(Not display)	00 - FF	00
D105	(Not display)	00 - FF	00
D106	(Not display)	00 - FF	00
D107	(Not display)	00 - FF	00
D108	(Not display)	00 - FF	00
D109	(Not display)	00 - FF	00
D110	(Not display)	00 - FF	00
D111	(Not display)	00 - FF	00
D112	(Not display)	00 - FF	00
D113	(Not display)	00 - FF	00
D114	(Not display)	00 - FF	00
D115	(Not display)	00 - FF	00
D116	(Not display)	00 - FF	00
D117	(Not display)	00 - FF	00
D118	(Not display)	00 - FF	00
D119	(Not display)	00 - FF	00

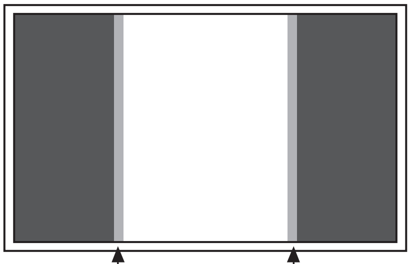
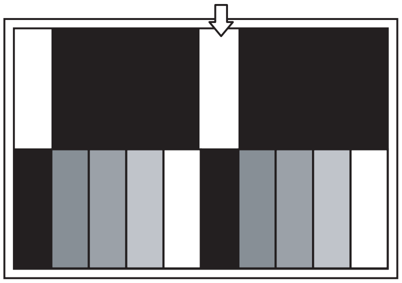
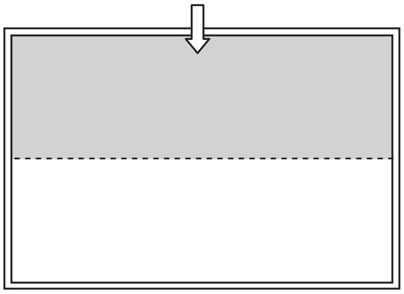
Item No.	Item name	Variable range	Setting value
D120	(Not display)	00 - FF	00
D121	(Not display)	00 - FF	00
D122	(Not display)	00 - FF	00
D123	(Not display)	00 - FF	00
D124	(Not display)	00 - FF	00
D125	(Not display)	00 - FF	00
D126	(Not display)	00 - FF	00
D127	(Not display)	00 - FF	00
D128	(Not display)	00 - FF	00
D129	(Not display)	00 - FF	00
D130	(Not display)	00 - FF	00
D131	(Not display)	00 - FF	00
D132	(Not display)	00 - FF	00
D133	(Not display)	00 - FF	00
D134	(Not display)	00 - FF	00
D135	(Not display)	00 - FF	00
D136	(Not display)	00 - FF	00
D137	(Not display)	00 - FF	00
D138	(Not display)	00 - FF	00
D139	(Not display)	00 - FF	00
D140	(Not display)	00 - FF	00
D141	(Not display)	00 - FF	00
D142	(Not display)	00 - FF	00
D143	(Not display)	00 - FF	00
D144	(Not display)	00 - FF	00
D145	(Not display)	00 - FF	00
D146	(Not display)	00 - FF	00
D147	(Not display)	00 - FF	00
D148	(Not display)	00 - FF	00
D149	(Not display)	00 - FF	00
D150	(Not display)	00 - FF	00
D151	(Not display)	00 - FF	00
D152	(Not display)	00 - FF	00
D153	(Not display)	00 - FF	00
D154	(Not display)	00 - FF	00
D155	(Not display)	00 - FF	00
D156	(Not display)	00 - FF	00
D157	(Not display)	00 - FF	00
D158	(Not display)	00 - FF	00
D159	(Not display)	00 - FF	00
D160	(Not display)	00 - FF	00
D161	(Not display)	00 - FF	00
D162	(Not display)	00 - FF	00
D163	(Not display)	00 - FF	00
D164	(Not display)	00 - FF	00
D165	(Not display)	00 - FF	00
D166	(Not display)	00 - FF	00
D167	(Not display)	00 - FF	00
D168	(Not display)	00 - FF	00
D169	(Not display)	00 - FF	00
D170	(Not display)	00 - FF	00
D171	(Not display)	00 - FF	00
D172	(Not display)	00 - FF	00
D173	(Not display)	00 - FF	00
D174	(Not display)	00 - FF	00
D175	(Not display)	00 - FF	00
D176	(Not display)	00 - FF	00
D177	(Not display)	00 - FF	00
D178	(Not display)	00 - FF	00
D179	(Not display)	00 - FF	00
D180	(Not display)	00 - FF	00
D181	(Not display)	00 - FF	00
D182	(Not display)	00 - FF	00
D183	(Not display)	00 - FF	00
D184	(Not display)	00 - FF	00
D185	(Not display)	00 - FF	00
D186	(Not display)	00 - FF	00
D187	(Not display)	00 - FF	00

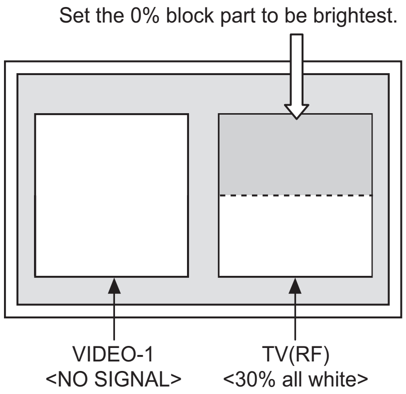
4.6.5 MAIN CPU SYETEM SETTING (*Fixed values)

Item No.	Item name	Variable range	Setting value
Z001	(Not display)	00 - FF	00
Z002	(Not display)	00 - FF	00
Z003	(Not display)	00 - FF	00
Z004	(Not display)	00 - FF	00
Z005	(Not display)	00 - FF	00
Z006	(Not display)	00 - FF	00
Z007	(Not display)	00 - FF	00
Z008	(Not display)	00 - FF	00
Z009	(Not display)	00 - FF	00
Z010	(Not display)	00 - FF	00

4.7 ADJUSTMENT PROCEDURE

4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
625i **A-D OFFSET**  Disappears the color at both ends.	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S008: 5i CB OF(625i cb offset) S009: 5i CR OF(625i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 625i component ramp pattern signal. (2) Set PICTURE MODE to "**STANDARD**". (3) Set ZOOM to "**FULL**". (4) Set COLOUR TEMP. to "**NORMAL**". (5) Select "**1.ADJUST**" from the SERVICE MODE. (6) Set **< S030 >** (R DRIVE), **< S031 >** (G DRIVE) and **< S032 >** (B DRIVE) to "**133**". (7) Set **< S001 >** (adjustment setting mode change) to set "**8**" and it change to the 625i A-D offset adjustment setting mode. (8) Adjust **< S008 >** (625i Cb offset) and **< S009 >** (625i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the centre of the screen. (9) Set **< S001 >** to set "**0**" and it change to the normal mode. (10) Press the **[MUTING]** key to memoirze the set value.
1125i (50Hz) **BRIGHTNESS** Set the 0% black part to be brightest. 	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S012: HD BL(1125i brightness) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i (50Hz) gray scale pattern signal. (2) Set PICTURE MODE to "**STANDARD**". (3) Set ZOOM to "**FULL**". (4) Set COLOUR TEMP. to "**NORMAL**". (5) Select "**1.ADJUST**" from the SERVICE MODE. (6) Set **< S030 >** (R DRIVE), **< S031 >** (G DRIVE) and **< S032 >** (B DRIVE) to "**133**". (7) Set **< S001 >** (adjustment setting mode change) to set the values "**12**" and it change to the 1125i black level adjustment setting mode. (8) Adjust **< S012 >** (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest. (9) Set **< S001 >** to set "**0**" and it change to the normal mode. (10) Press the **[MUTING]** key to memoirze the set value.
1125i (50Hz) **A-D OFFSET** Minimize the red and blue noises in the upper half of the screen. 	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S013: HD CB OF(1125i cb offset) S014: HD CR OF(1125i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i (50Hz) 30% all white pattern signal. (2) Set PICTURE MODE to "**STANDARD**". (3) Set ZOOM to "**FULL**". (4) Set COLOUR TEMP. to "**NORMAL**". (5) Select "**1.ADJUST**" from the SERVICE MODE. (6) Set **< S030 >** (R DRIVE), **< S031 >** (G DRIVE) and **< S032 >** (B DRIVE) to "**133**". (7) Set **< S001 >** (adjustment setting mode change) to set "**13**" and it change to the 1125i A-D offset adjustment setting mode. (8) Adjust **< S013 >** (1125i Cb offset) to minimize the blue noise in the upper half of the screen. (9) Set **< S014 >** (1125i Cr offset) to minimize the blue noise in the upper half of the screen. (10) Set **< S001 >** to set "**0**" and it change to the normal mode. (11) Press the **[MUTING]** key to memoirze the set value.

Item	Measuring instrument	Test point	Adjustment part	Description
SUB SCREEN A-D OFFSET  Set the 0% block part to be brightest. VIDEO-1 <NO SIGNAL> TV(RF) <30% all white>	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S016: RT CB OF (Sub screen cb offset) S017: RT CR OF (Sub screen cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Set PICTURE MODE to "**STANDARD**". (2) Set ZOOM" to "**FULL**". (3) Set COLOUR TEMP. to "**NORMAL**". (4) Set MULTI SCREEN to "**2 pictures**". (5) Receive a PAL 30% all white pattern signal on the right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal). (6) Select "**1.ADJUST**" from the SERVICE MODE. (7) Set **< S030 >** (R DRIVE), **< S031 >** (G DRIVE) and **< S032 >** (B DRIVE) to "**133**". (8) Set **< S001 >** (adjustment setting mode change) to set **"17"** and it change to the sub screen A-D offset adjustment setting mode. (9) Adjust **< S016 >** (Sub screen cb offset) to minimize the blue noise in the upper half of the screen. **If you select an adjustment item < S016 >, then the screen automatically turn to twin pictures mode.** (10) Adjust **< S017 >** (Sub screen cr offset) to minimize the red noise in the upper half of the screen. (11) Readjust **< S016 >** and **< S017 >** to set the upper half of the screen to be the blackest. (12) Set **< S001 >** to set "**0**" and it change to the normal mode. (13) Press the **[MUTING]** key to memoirze the set value.
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	(1) Receive a PAL 75% all white signal. (2) Set PICTURE MODE to "**STANDARD**". (3) Set ZOOM to "**FULL**". (4) Set COLOUR TEMP. to "**NORMAL**". (5) Select "**1.ADJUST**" from the SERVICE MODE. (6) Adjust to Keep one of **< S030 >** (Red drive), **< S031 >** (Green drive) or **< S032 >** (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of **< S030 >**, **< S031 >**, and **< S032 >** to "**85**". (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the **[MUTING]** key to memoirze the set value.

SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I^{2}C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the SERVICE MODE, confirm that the setting of VCR/TV/ DVD switch is at the "**TV**" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.

(1) Press the **[INFORMATION]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
(2) Press the **[2]** key SELF CHECK MODE.
(3) Press the **[RED (ZOOM)]** key to enter Page 2 of the SELF CHECK MODE.
*Use the **[GREEN (3D SOUND)]** key to toggle between Page 1 and Page 2.

NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MODE screen, the other relevant screen may be displayed.
This is not used in the SELF CHECK MODE. Press the **[MENU]** key to return to the MAIN MENU SCREEN.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

To Clear (Reset) Failure History:

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

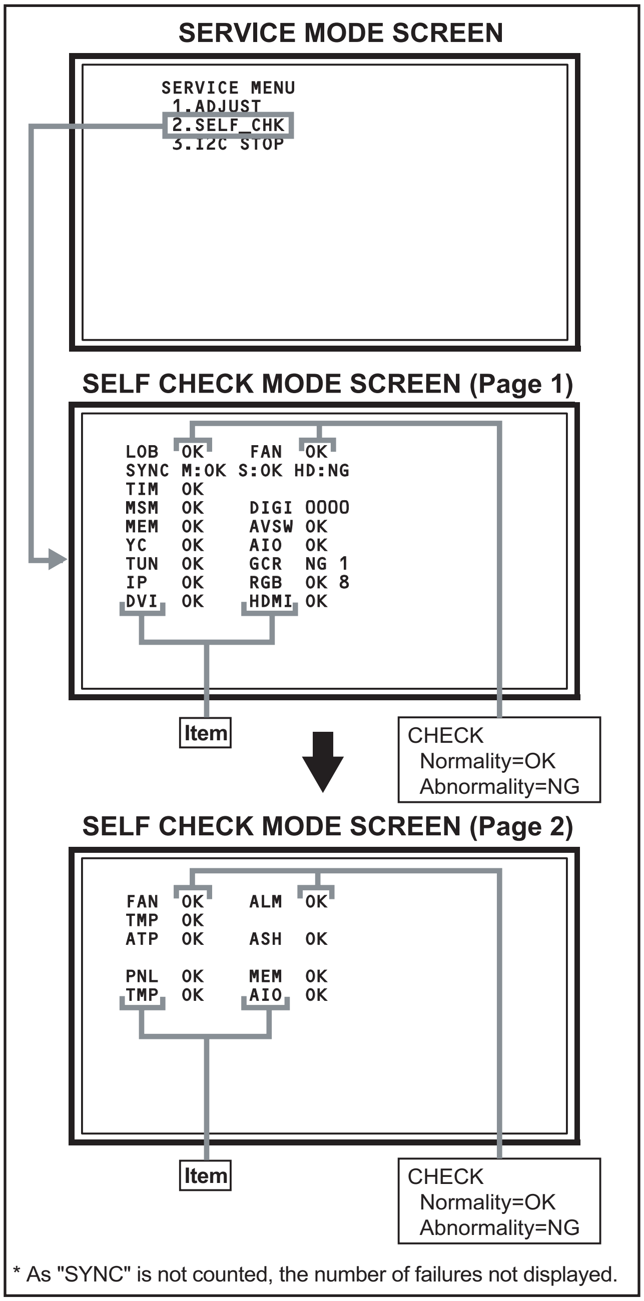
Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be iagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for I^{2}C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.



SERVICE MODE SCREEN

```
SERVICE MENU
 1.ADJUST
 2.SELF_CHK
 3.I2C STOP
```

SELF CHECK MODE SCREEN (Page 1)

```
LOB  OK    FAN  OK
SYNC M:OK S:OK HD:NG
TIM  OK
MSM  OK    DIGI 0000
MEM  OK    AVSW OK
YC   OK    AIO  OK
TUN  OK    GCR  NG 1
IP   OK    RGB  OK 8
DVI  OK    HDMI OK
```

SELF CHECK MODE SCREEN (Page 2)

```
FAN  OK    ALM  OK
TMP  OK
ATP  OK    ASH  OK

PNL  OK    MEM  OK
TMP  OK    AIO  OK
```

* As "SYNC" is not counted, the number of failures not displayed.

Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirmation of operation of the low bais (2.5V / 3.3V / 5V / 9V) protection circuit. **Q9801 , Q9822 [REGULATOR PWB]**	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms the power is turned off.
Abnormal rise of temperature in audio circuit	FAN	Confirmation of the temperature of audio circuit. **TH6661 [ANALOG SIGNAL PWB]**	SDA	Detection starts 3 seconds after the power is turned on. If the temperture of 90°C is detected for 3 seconds the power is turned off.
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal **IC201 [ANALOG SIGNAL PWB]**	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	---
Main CPU communication	MSM	Not used.	---	---
Digital tuner	DIGI	Not used.	---	---
Main memory	MEM	Confirmation of reply of ACK signal which uses I^2C communication. **IC7602 [DIGITAL SIGNAL PWB]**	SDA	Same as above.
AV select switch	AVSW	Same as above. **IC301, IC501 [ANALOG SIGNAL PWB]**	SDA	Same as above.
3 dimensions YC separator	YC	Not used.	---	---
Multi sound process	AIO	Not used.	---	---
RF tuner	TUN	Confirmation of reply of ACK signal which uses I^2C communication. **TU3001 [RECEIVER PWB]**	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.
Ghost reduction	GCR	Not used.	---	---
DIST process	IP	Confirmation of reply of ACK signal which uses I^2C communication. **IC3001 [DIGITAL SIGNAL PWB]**	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.
RGB process	RGB	Confirmation of reply of ACK signal which uses I^2C communication. **IC3001 [DIGITAL SIGNAL PWB]**	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.
DVI (Digital communication)	DVI	Not used.	---	---
Digital input	HDMI	Confirmation of reply of ACK signal which uses I^2C communication.	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.

< Page 2 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Fan lock	FAN	Not used.	---	---
Abnormal of operation of PANEL	ALM	Not used.	---	---
Abnormal rise of temperature in PANEL	TMP	Not used.	---	---
Abnormal rise of temperature in audio circuit	ATP	Not used.	---	---
Short circuit detection of audio circuit	ASH	Not used.	---	---
Panel communication	PNL	Not used.	---	---
Sub memory	MEM	Not used.	---	---
Temp. sensor	TMP	Not used.	---	---
Audio control	AIO	Confirmation of reply of ACK signal which uses I^2C communication. IC6521 **[ANALOG SIGNAL PWB]**	SDA	If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

Type of error	POWER LED flash cycle
Low bias line short protection	Low luminance blue turnig on and off at 1 second intervals.
Abnormal rise of temperature in audio circuit	High luminance blue turnig on and off at 0.1 second intervals.

< Explanation of operation >

If error is detected, the power is turned off.
Shortly after a power is turned off, POWER LED will be blinked.
Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.

Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY DISPLAY CATEGORY 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

Printed in Japan
VPT

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		**CAPACITORS**	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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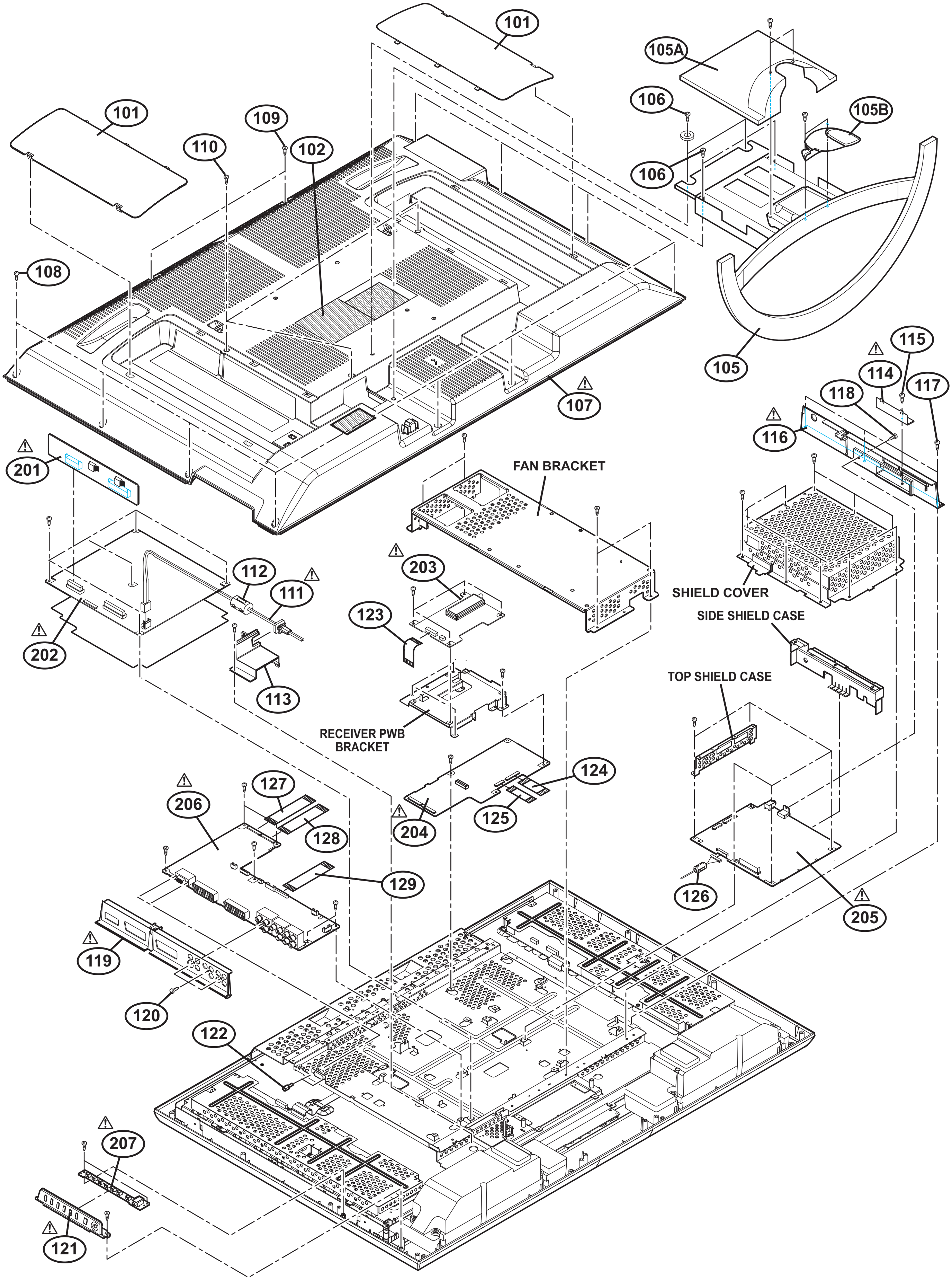
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.	
	LT-37S60BU	LT-37S60BU/P
ANALOG SIGNAL P.W.B	SFL-1114A-U2	←
CONNECTOR P.W.B	SFL-4112A-U2	←
FRONT CONTROL P.W.B	SFL-7111A-U2	←
FRONT LED P.W.B	SFL-8133A-U2	←
POWER P.W.B	SFL-9034A-U2	←
REGULATOR P.W.B	SFL-9134A-U2	←
DIGITAL SIGNAL P.W.B	SFL0D238A-U2	LCA10557-71A (SFL-0D238A)
RECEIVER P.W.B	SFL0F204A-U2	←
REMOTE CONTROL UNIT	RM-C1811H-2C	←

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	101	LC21923-001A-U	JACK COVER	(x2)	
	102	LC21991-001A-U	RATING LABEL		
	105	GA10134-001A-U	STAND ASSY	Inc.105A/105B	
	105A	GA30094-001A-U	STAND COVER		
	105B	GA30081-001A-U	CABLE COVER		
	106	QYSPSPD5014MA	SCREW	M5 x 14mm(x4)	
⚠	107	LC12450-001A-U	REAR COVER		LT-37S60BU
⚠	107	LC12450-002A-U	REAR COVER		LT-37S60BU/P
	108	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x10)	
	109	QYSPSPD3008MA	SCREW	M3 x 8mm(x2)	
	110	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x3)	
⚠	111	QMPK300-170-JC	POWER CORD(EU)	1.7m BLACK	
	112	QQR0942-001	CORE FILTER		
	113	LC33103-002A-0K	POWER CORD HOLDER		
⚠	114	LC32760-002A-HK	SERVICE COVER		
	115	QYSBSF3010MA	TAP SCREW	M3 x 10mm	
⚠	116	LC21734-004A-U	TUNER BASE		
	117	QYSPSPD3008MA	SCREW	M3 x 8mm(x3)	
	118	QYSPSP3008MA	SCREW	M3 x 8mm	
⚠	119	LC21735-002A-U	TERMINAL BASE		
	120	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x3)	
⚠	121	LC33216-001A-U	CONTROL ASSY		
	122	QNB0036-001	HEX SCREW	(x2)	
	123	QUQ105-4006AL-E	FFC WIRE	40pin 6cm	
	124	QUQ105-5004AA-E	FFC WIRE	50pin 4cm	
	125	QUQ105-3004AA-E	FFC WIRE	30pin 4cm	
	126	QQR0490-001	NOISE FILTER		
	127	QUQ105-5009AE-E	FFC WIRE	50pin 9cm	
	128	QUQ105-5009AE-E	FFC WIRE	50pin 9cm	
	129	QUQK12-2106CH-E	FFC WIRE	21pin 6cm	
⚠	201	SFL-9134A-U2	REGULATOR PWB		
⚠	202	SFL-9034A-U2	POWER PWB		
⚠	203	SFL0F204A-U2	RECEIVER PWB		
⚠	204	SFL-4112A-U2	CONNECTOR PWB		
⚠	205	SFL0D238A-U2	DIGITAL SIGNAL PWB		LT-37S60BU
⚠	205	LCA10557-71A	DIGITAL SIGNAL PWB		LT-37S60BU/P
⚠	206	SFL-1114A-U2	ANALOG SIGNAL PWB		
⚠	207	SFL-7111A-U2	FRONT CONTROL PWB		

EXPLODED VIEW -1

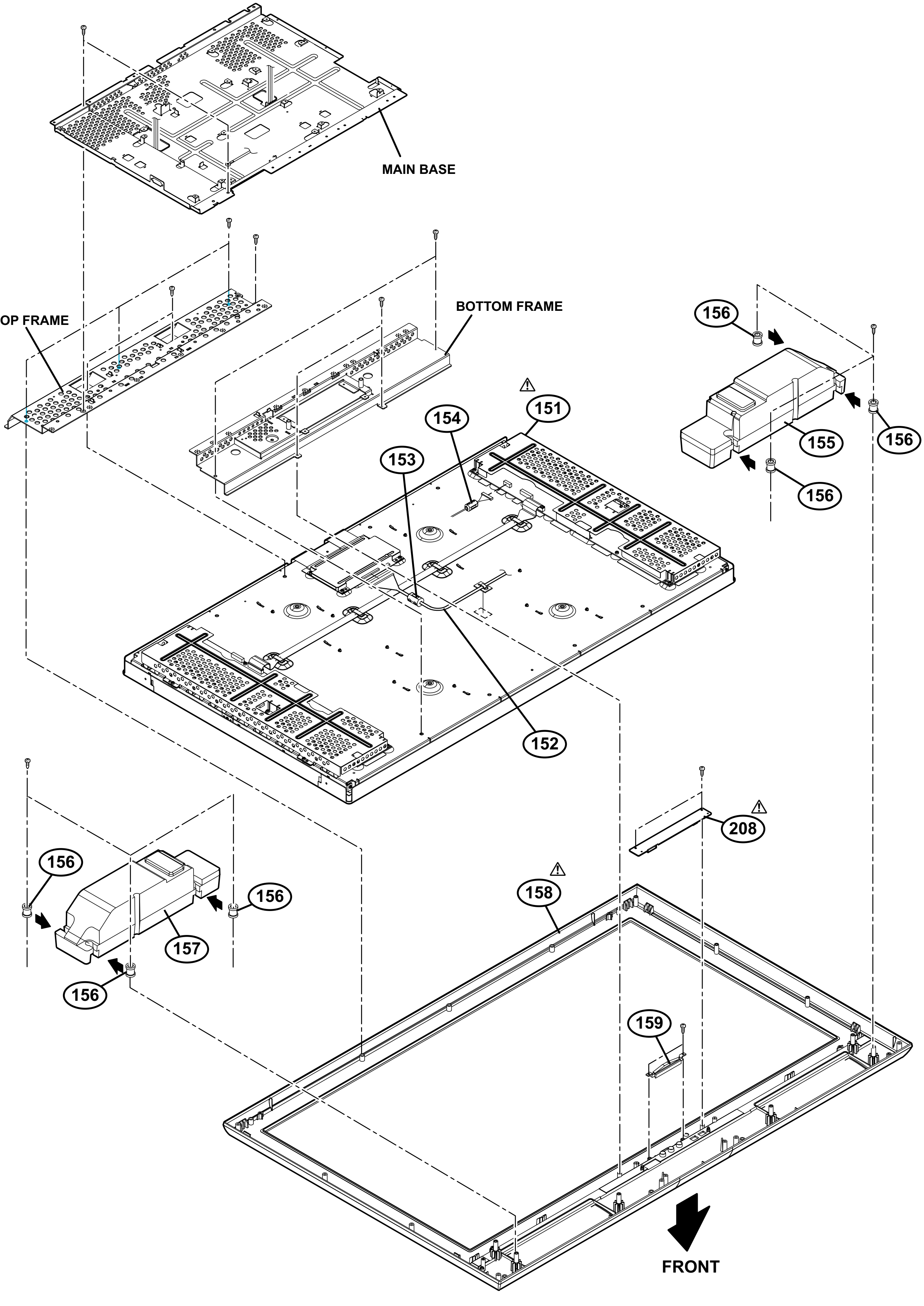


101
101
105A
106
106
105B
109
110
102
108
105
107
115
114
117
118
116
201
FAN BRACKET
203
112
111
123
SHIELD COVER
SIDE SHIELD CASE
202
113
TOP SHIELD CASE
RECEIVER PWB BRACKET
124
127
206
128
204
125
129
126
205
119
120
122
207
121

EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	151	QLD0375-001-JUK	LCD PANEL UNIT		
	152	WJW0021-002A-E	DIGITAL(LVDS) CABLE		
	153	QQR0490-001	NOISE FILTER		
	154	QQR0490-001	NOISE FILTER		
	155	LC41913-004A-C	SPEAKER ASSY	LEFT	
	156	LC40226-005A-H	SPACER	(x6)	
	157	LC41913-003A-C	SPEAKER ASSY	RIGHT	
⚠	158	LC12449-002A-U	FRONT PANEL ASSY		
	159	LC33125-001B-HK	LED LENS		
⚠	208	SFL-8133A-U2	FRONT LED PWB		

EXPLODED VIEW -2



MAIN BASE
TOP FRAME
BOTTOM FRAME
156
151
154
153
155
156
156
152
208
158
156
156
157
156
159
FRONT

PRINTED WIRING BOARD PARTS LIST [LT-37S60BU]

ANALOG SIGANL P.W. BOARD ASS'Y (SFL-1114A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC201	TB1305FG	IC		
IC202	SN74CBT3253PW-X	IC		
IC301	AN15852A	IC		
IC501	CXA2069Q	IC		
IC502	MM1510XN-X	IC		
IC503	MM1508XN-X	IC		
IC711	CXA1875AM-X	IC		
IC801	TB1274BFG	IC		
IC802	TC90A69AF-X	IC		
IC902	TA48M033F-X	IC		
IC6001	NJM2777M-X	IC		
IC6201	PQ20WZ11-X	IC		
IC6521	NJW1164M-W	IC		
IC6551	RC4558D-X	IC		
IC6552	RC4558D-X	IC		
IC6621	LM393DR-X	IC		
IC6661	TDA8925ST/N1	IC		
Q301	2SC3837K/NP/-X	TRANSISTOR		
Q302	2SC3837K/NP/-X	TRANSISTOR		
Q303	2SC3837K/NP/-X	TRANSISTOR		
Q307	2SA1530A/QR/-X	TRANSISTOR		
Q402	SSM3K17FU-X	MOS FET		
Q403	SSM3K17FU-X	MOS FET		
Q404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Q405	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Q507	2SA1530A/QR/-X	TRANSISTOR		
Q508	2SA1530A/QR/-X	TRANSISTOR		
Q510	2SA1530A/QR/-X	TRANSISTOR		
Q801	2SA1530A/QR/-X	TRANSISTOR		
Q802	2SA1530A/QR/-X	TRANSISTOR		
Q804	2SC3928A/QR/-X	TRANSISTOR		
Q805	2SC3928A/QR/-X	TRANSISTOR		
Q806	2SC3928A/QR/-X	TRANSISTOR		
Q807	2SC3928A/QR/-X	TRANSISTOR		
Q808	2SC3928A/QR/-X	TRANSISTOR		
Q809	2SC3928A/QR/-X	TRANSISTOR		
Q810	2SA1530A/QR/-X	TRANSISTOR		
Q851	2SA1530A/QR/-X	TRANSISTOR		
Q853	2SC3928A/QR/-X	TRANSISTOR		
Q854	2SC3928A/QR/-X	TRANSISTOR		
Q855	2SA1530A/QR/-X	TRANSISTOR		
Q858	2SC3928A/QR/-X	TRANSISTOR		
Q859	2SA1530A/QR/-X	TRANSISTOR		
Q862	2SC3928A/QR/-X	TRANSISTOR		
Q863	2SC3928A/QR/-X	TRANSISTOR		
Q901	BA90BC0FP-X	IC		
Q902	2SC3074/OY/-X	TRANSISTOR		
Q903	2SC3928A/QR/-X	TRANSISTOR		
Q2051	UN2226-X	DIGI TRANSISTOR		
Q2052	UN2226-X	DIGI TRANSISTOR		
Q2053	UN2110-X	DIGI TRANSISTOR		
Q2151	UN2226-X	DIGI TRANSISTOR		
Q2152	UN2226-X	DIGI TRANSISTOR		
Q2153	UN2110-X	DIGI TRANSISTOR		
Q2171	2SC3928A/QR/-X	TRANSISTOR		
Q2172	2SC3928A/QR/-X	TRANSISTOR		
Q2173	UN2212-X	DIGI TRANSISTOR		
Q2451	UN2226-X	DIGI TRANSISTOR		
Q2452	UN2226-X	DIGI TRANSISTOR		
Q2453	UN2110-X	DIGI TRANSISTOR		
Q6301	2SC3928A/QR/-X	TRANSISTOR		
Q6302	2SC3928A/QR/-X	TRANSISTOR		
Q6421	2SC3928A/QR/-X	TRANSISTOR		
Q6431	2SA1530A/QR/-X	TRANSISTOR		
Q6521	2SC3928A/QR/-X	TRANSISTOR		
Q6522	2SC3928A/QR/-X	TRANSISTOR		
Q6523	2SA1530A/QR/-X	TRANSISTOR		
Q6531	2SC3928A/QR/-X	TRANSISTOR		
Q6532	2SC3928A/QR/-X	TRANSISTOR		
Q6533	2SC3928A/QR/-X	TRANSISTOR		
Q6534	2SA1530A/QR/-X	TRANSISTOR		
Q6538	2SC3928A/QR/-X	TRANSISTOR		
Q6539	2SC3928A/QR/-X	TRANSISTOR		
Q6661	UN2112-X	DIGI TRANSISTOR		
Q6662	2SC3928A/QR/-X	TRANSISTOR		
Q6663	UN2212-X	DIGI TRANSISTOR		
Q6673	2SA1530A/QR/-X	TRANSISTOR		
D201	1SS355-X	SI DIODE		
D541	UDZS10B-X	Z DIODE		
D551	UDZS10B-X	Z DIODE		
D901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D902	1SS355-X	SI DIODE		
D903	PTZ11B-X	Z DIODE		
D904	PTZ6.8B-X	Z DIODE		
D905	MA8030/H/-X	Z DIODE		
D2001	UDZS10B-X	Z DIODE		
D2002	UDZS10B-X	Z DIODE		
D2003	UDZS10B-X	Z DIODE		
D2004	UDZS10B-X	Z DIODE		
D2005	UDZS10B-X	Z DIODE		
D2101	UDZS10B-X	Z DIODE		
D2102	UDZS10B-X	Z DIODE		
D2103	UDZS10B-X	Z DIODE		
D2104	UDZS10B-X	Z DIODE		
D2105	UDZS10B-X	Z DIODE		
D2106	UDZS10B-X	Z DIODE		
D2107	UDZS10B-X	Z DIODE		
D2201	UDZS10B-X	Z DIODE		
D2202	UDZS10B-X	Z DIODE		
D2203	UDZS10B-X	Z DIODE		
D2204	UDZS10B-X	Z DIODE		
D2205	UDZS10B-X	Z DIODE		
D2206	UDZS10B-X	Z DIODE		
D2207	UDZS10B-X	Z DIODE		
D2301	UDZS10B-X	Z DIODE		
D2302	UDZS10B-X	Z DIODE		
D2303	UDZS10B-X	Z DIODE		
D2304	UDZS10B-X	Z DIODE		
D2305	UDZS10B-X	Z DIODE		
D2601	UDZS10B-X	Z DIODE		
D2602	UDZS10B-X	Z DIODE		
D2603	UDZS10B-X	Z DIODE		
D2604	UDZS10B-X	Z DIODE		
D2605	UDZS10B-X	Z DIODE		
D6001	1SS355-X	SI DIODE		
D6002	1SS355-X	SI DIODE		
D6201	1SS355-X	SI DIODE		
D6431	1SS355-X	SI DIODE		
D6432	1SS355-X	SI DIODE		
D6433	1SS355-X	SI DIODE		
D6501	1SS355-X	SI DIODE		
D6502	1SS355-X	SI DIODE		
D6503	1SS355-X	SI DIODE		
D6504	1SS355-X	SI DIODE		
D6601	UDZS6.2B-X	Z DIODE		
D6663	UDZS3.3B-X	Z DIODE		
D6664	1SS355-X	SI DIODE		
D6671	UDZS20B-X	Z DIODE		
D6672	UDZS20B-X	Z DIODE		
D6673	UDZS20B-X	Z DIODE		
D6674	UDZS20B-X	Z DIODE		
D6681	1SS355-X	SI DIODE		
D6682	1SS355-X	SI DIODE		
D6683	1SS355-X	SI DIODE		
C201	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C202	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C203	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C205	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C206	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C207	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C208	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C210	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C211	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C212	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C213	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C215	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C216	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C217	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C218	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C219	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C220	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C221	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C223	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C224	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C225	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C302	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C303	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
C304	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
C305	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
C306	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C307	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C308	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C310	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C313	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C314	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C315	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C316	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C317	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C318	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C319	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NEX61CM-686X	E CAPACITOR	68uF 16V M	
C324	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C325	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C326	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C327	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C328	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C329	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C330	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C341	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C342	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C343	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C346	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C349	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C372	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C382	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C392	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C405	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C406	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C501	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C502	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C503	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	
C505	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C515	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C516	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C518	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C519	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C520	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C521	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C522	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C523	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C711	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C802	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C804	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C810	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C811	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C812	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C813	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C815	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C816	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C817	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C818	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C826	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C827	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C829	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C830	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C834	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C853	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C880	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C881	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C885	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C886	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C888	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C889	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C890	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C891	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C901	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C903	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C905	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C906	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C912	NEHM1EM-336X	E CAPACITOR	33uF 25V M	
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C915	NEHM1EM-336X	E CAPACITOR	33uF 25V M	
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C2001	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2008	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2009	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2010	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2011	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2051	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2052	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2053	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2101	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2107	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2108	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2109	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2110	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2151	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2152	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2153	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2202	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2203	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2204	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2205	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2206	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2207	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2208	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2301	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2302	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2303	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2307	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2309	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2310	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2311	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2402	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2451	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2452	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2453	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2601	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2602	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2603	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C6001	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C6002	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C6003	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C6004	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C6005	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C6006	NEHL1HM-105X	E CAPACITOR	1uF 50V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C6007	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C6008	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C6009	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C6010	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6011	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6202	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C6203	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C6204	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6301	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C6302	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C6421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6431	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6505	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6510	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6521	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6526	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6527	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6528	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6533	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6534	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6535	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C6536	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6537	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6538	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6539	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6540	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6541	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6542	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C6543	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6544	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6551	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C6552	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C6553	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6554	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6555	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6556	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6557	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6559	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6561	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C6562	NEHL1HM-225X	E CAPACITOR	2.2uF 50V M	
C6563	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6564	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6585	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C6586	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6605	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6606	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6622	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6623	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6625	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6626	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6627	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6628	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6630	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6664	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6666	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6668	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C6669	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6670	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6672	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6674	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6676	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C6677	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C6678	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6679	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6681	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6685	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6687	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6688	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6693	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
R201	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R208	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R218	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R220	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R232	NRS12BJ-151W	MG RESISTOR	150Ω 1/2W J	
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R375	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R385	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R395	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R409	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R410	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R502	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R504	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R505	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R508	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R509	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R510	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R511	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R512	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R538	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R540	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R542	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R543	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R544	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R545	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R552	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R553	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R554	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R556	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R575	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R576	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R577	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R578	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R590	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R720	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R721	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R810	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R811	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R812	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R813	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R814	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R815	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R820	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R821	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R822	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R823	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R824	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R825	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R826	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R827	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R828	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R829	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R830	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R831	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R832	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R833	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R834	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R835	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R836	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R837	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R838	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R901	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R902	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R903	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R904	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R907	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R917	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2004	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2006	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2051	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2052	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2053	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2054	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2055	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2056	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2057	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2058	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R2101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2151	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2152	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2153	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2154	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2155	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2156	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2157	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2158	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2159	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2160	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R2161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2163	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2172	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2201	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2202	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2203	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2204	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2205	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2302	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2303	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2304	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2305	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2451	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2452	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2453	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2454	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2455	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2456	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2457	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2458	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R2601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2604	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2605	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6001	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6004	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6005	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6006	QRL039J-330	OMF RESISTOR	33Ω 3W J	
R6007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R6203	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6204	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6423	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6424	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6425	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6431	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6432	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6515	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6516	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6518	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6519	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6552	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6557	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6558	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6559	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6560	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6578	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6580	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6617	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6624	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J	
R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R6666	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R6667	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R6668	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R6669	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6674	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6675	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6685	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6686	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L807	NQR0499-001X	FERRITE BEADS		
L808	NQR0499-001X	FERRITE BEADS		
L809	NQR0499-001X	FERRITE BEADS		
L851	NQL092K-6R8X	P COIL	6.8uH K	
L852	NQL092K-6R8X	P COIL	6.8uH K	
L853	NQL092K-6R8X	P COIL	6.8uH K	
L854	NQL092M-270X	P COIL	27uH M	
L855	NQL904J-560X	COIL	56uH J	
L861	NQL914K-220X	COIL	22uH K	
L862	NQL914K-101X	COIL	100uH K	
L863	NQL914K-101X	COIL	100uH K	
L864	NQL914K-101X	COIL	100uH K	
L865	NQL914K-220X	COIL	22uH K	
L866	NQL914K-220X	COIL	22uH K	
L867	NQL914K-220X	COIL	22uH K	
L902	NQL52EM-220X	COIL	22uH M	
L903	NQL52EM-220X	COIL	22uH M	
L904	NQL52EM-220X	COIL	22uH M	
L6661	QQL28AK-560	COIL	56uH K	
L6662	QQL28AK-560	COIL	56uH K	
CN000H	QGF1201C2-21	CONNECTOR	FFC/FPC (1-21)	
CN0011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN0012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
J2001	QNZ0463-001	21P CONNECTOR	EXT-1	
J2002	QNZ0463-001	21P CONNECTOR	EXT-2	
J2003	QNZ0726-001	AV JACK	EXT-3	
J2004	QNN0650-001	PIN JACK	EXT-4	
J2005	QNN0649-001	PIN JACK	AUDIO IN/OUT	
J2007	QNZ0561-001	D CONNECTOR	RGB IN	
K6601	NQR0499-002X	FERRITE BEADS		
K6602	NQR0499-002X	FERRITE BEADS		
K6661	NQR0499-002X	FERRITE BEADS		
K6662	NQR0499-002X	FERRITE BEADS		
K6663	NQR0499-002X	FERRITE BEADS		
K6664	NQR0499-002X	FERRITE BEADS		
⚠TH6661	NAD0035-471X	P THERMISTOR	470Ω	
X201	NAX0787-001X	CRYSTAL		
X801	NAX0621-001X	CRYSTAL	16.200MHz	

CONNECTOR P.W. BOARD ASS'Y (SFL-4112A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC4301	RC4558D-X	IC		
C4210	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C4211	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C4303	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C4304	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C4305	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C4306	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
R4301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4303	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4304	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4305	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4306	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4405	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4406	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4407	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4409	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4410	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN0001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN0002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)	
CN000T	QGF0540C1-40X	CONNECTOR	FFC/FPC (1-40)	
CN1011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN1012	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	

FRONT CONTROL P.W. BOARD ASS'Y (SFL-7111A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
D7011	UDZS6.2B-X	Z DIODE		
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7702	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R7703	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7704	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
L7001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
J7001	QNS0097-001	HEADPHONE JACK		
K7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
S7701	QSW1131-001Z	TACT SWITCH	CH-	
S7702	QSW1131-001Z	TACT SWITCH	CH+	
S7703	QSW1131-001Z	TACT SWITCH	MENU	
S7704	QSW1131-001Z	TACT SWITCH	TV/AV	
S7705	QSW1131-001Z	TACT SWITCH	VOL+	
S7706	QSW1131-001Z	TACT SWITCH	VOL-	
S7707	QSW1131-001Z	TACT SWITCH	POWER	

FRONT LED P.W. BOARD ASS'Y (SFL-8133A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8752	GP1UM261RK	IR DETECT UNIT		
Q8703	UN2212-X	DIGI TRANSISTOR		
Q8704	UN2110-X	DIGI TRANSISTOR		
Q8710	UN2212-X	DIGI TRANSISTOR		
Q8711	UN2212-X	DIGI TRANSISTOR		
D8702	SEL5E20C-T	LED	POWER	
D8705	SELU5E20C-T	LED	ILLUMINATION	
D8706	MA8068-X	Z DIODE		
D8707	MA8068-X	Z DIODE		
D8708	MA8068-X	Z DIODE		
D8709	MA8068-X	Z DIODE		
C8752	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
R8713	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R8714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8722	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R8724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8755	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

POWER P.W. BOARD ASS'Y (SFL-9034A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9141	BA50BC0FP-X	IC		
⚠IC9211	FA5500AN-W	IC		
IC9501	F9222L-F219	IC		
⚠IC9541	UTCTL431-T	IC		
IC9602	M62320FP-X	IC		
IC9901	MP1593DN-X	IC		
Q9021	2SC3928A/QR/-X	TRANSISTOR		
Q9211	2SK3522-01-F1	POWER MOS FET		
Q9212	2SD601A/QR/-X	TRANSISTOR		
Q9213	IMD3A-W	DIGI TRANSISTOR		
Q9215	2SD601A/QR/-X	TRANSISTOR		
Q9216	UN2212-X	DIGI TRANSISTOR		
Q9251	UN2213-X	DIGI TRANSISTOR		
Q9252	UN2212-X	DIGI TRANSISTOR		
Q9501	2SD601A/QR/-X	TRANSISTOR		
Q9502	2SK2865-X	POWER MOS FET		
Q9503	2SD601A/QR/-X	TRANSISTOR		
Q9504	2SK2018-01S-W	POWER MOS FET		
Q9506	UN2213-X	DIGI TRANSISTOR		
Q9541	UN2212-X	DIGI TRANSISTOR		
Q9602	2SB1188/QR/-W	TRANSISTOR		
Q9603	UN2212-X	DIGI TRANSISTOR		
Q9606	2SC3928A/QR/-X	TRANSISTOR		
Q9901	2SD601A/QR/-X	TRANSISTOR		
D9021	MA111-X	SI DIODE		
D9111	S1WB/A/60-4101	BRIDGE DIODE		
⚠D9201	D25XB60	BRIDGE DIODE		
D9202	MA111-X	SI DIODE		
D9205	MA3082/M/-X	Z DIODE		
D9211	YG972S6R	SI DIODE		
D9213	MA111-X	SI DIODE		
D9214	MA111-X	SI DIODE		
D9215	D1FL20U-X	SI DIODE		
D9251	MA3100/M/-X	Z DIODE		
D9252	MA111-X	SI DIODE		
D9253	MA111-X	SI DIODE		
D9254	D1FL20U-X	SI DIODE		
D9301	FME-220A	SB DIODE		
D9302	FME-220A	SB DIODE		
D9501	MA8220/M/-X	Z DIODE		
D9502	MA8110/H/-X	Z DIODE		
D9503	D1FL20U-X	SI DIODE		
D9504	D1FL20U-X	SI DIODE		
D9505	MA8220/M/-X	Z DIODE		
D9507	D1FL20U-X	SI DIODE		
D9508	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D9509	SD883-04-X	SB DIODE		
D9512	D1FS4-X	SB DIODE		
D9514	PTZ27B-X	Z DIODE		
D9515	PTZ27B-X	Z DIODE		
D9542	FCH20A10	SB DIODE		
D9543	FCH20A10	SB DIODE		
D9546	FCH20A10	SB DIODE		
D9609	MA111-X	SI DIODE		
D9901	EC30HA04-X	SB DIODE		
D9902	MA111-X	SI DIODE		
D9903	EC30HA04-X	SB DIODE		
D9905	D1FL20U-X	SI DIODE		
D9906	PTZ11B-X	Z DIODE		
D9907	MTZJ16B-T2	Z DIODE		
D9908	MTZJ16B-T2	Z DIODE		
D9909	D1FL20U-X	SI DIODE		
⚠C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9011	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
⚠C9013	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
⚠C9101	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
⚠C9102	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
⚠C9103	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
C9111	QEZ0709-106	E CAPACITOR	10uF 450V M	
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C9196	QCZ9071-471	C CAPACITOR	470pF AC400V K	
⚠C9197	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
⚠C9198	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
⚠C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9205	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
C9211	QFZ0222-105	MM CAPACITOR	1uF 450V K	
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9213	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9216	QEZ0650-227	E CAPACITOR	220uF 450V M	
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9219	QCZ0340-331	C CAPACITOR	330pF 2kV K	
C9221	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9251	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9252	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9301	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9302	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9502	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9503	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9504	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C9505	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C9506	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C9507	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C9508	NCB11AK-335X	C CAPACITOR	3.3uF 10V K	
C9509	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9510	QEHR2AM-107Z	E CAPACITOR	100uF 100V M	
C9511	QFZ0209-393	MPP CAPACITOR	0.039uF	
C9512	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9520	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C9541	QECQ1VM-128	E CAPACITOR	1200uF 35V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C9544	QECQ1VM-128	E CAPACITOR	1200uF 35V M	
C9545	QECQ1VM-128	E CAPACITOR	1200uF 35V M	
C9550	QECQ1VM-128	E CAPACITOR	1200uF 35V M	
C9551	NCB11HK-104X	C CAPACITOR	0.1uF 50V K	
C9552	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C9553	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9606	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9609	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9610	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C9611	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C9902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9903	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
C9904	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9907	NCB31EK-273X	C CAPACITOR	0.027uF 25V K	
C9908	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
C9909	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C9912	QEHR1CM-477Z	E CAPACITOR	470uF 16V M	
C9913	NCJ41HK-335X-U	C CAPACITOR		
C9914	QTNC1HM-106Z	E CAPACITOR	10uF 50V M	
C9917	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
⚠R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
R9021	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9022	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K	
R9141	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R9142	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J	
⚠R9199	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K	
⚠R9201	QRZ9055-8R2	FUSI RESISTOR	8.2Ω 2W K	
R9203	NRS12BJ-681W	MG RESISTOR	680Ω 1/2W J	
R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9214	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R9215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9218	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J	
R9220	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
R9221	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
R9222	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
R9223	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
R9224	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J	
R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9229	NRSA63D-274X	MG RESISTOR	270kΩ 1/16W D	
R9233	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9238	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J	
R9239	NRS12BJ-1R0W	MG RESISTOR	1Ω 1/2W J	
R9251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9254	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9255	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9256	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9257	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R9301	QRT039J-1R2	MF RESISTOR	1.2Ω 3W J	
R9302	QRT039J-1R2	MF RESISTOR	1.2Ω 3W J	
R9501	QRL039J-103	OMF RESISTOR	10kΩ 3W J	
R9502	QRL039J-103	OMF RESISTOR	10kΩ 3W J	
R9503	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
R9504	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
R9505	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
R9506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9508	QRT029J-R56	MF RESISTOR	0.56Ω 2W J	
R9509	QRM059J-R27	MP RESISTOR	0.27Ω 5W J	
R9510	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9513	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9515	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9516	QRT029J-2R2	MF RESISTOR	2.2Ω 2W J	
R9517	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J	
R9518	QRK126J-271X	UNF C RESISTOR	270Ω 1/2W J	
R9519	NRSA02J-180X	MG RESISTOR	18Ω 1/10W J	
R9520	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R9521	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9525	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9526	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R9527	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9529	QRL039J-681	OMF RESISTOR	680Ω 3W J	
R9536	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9541	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9542	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
R9543	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9544	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9545	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R9546	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9548	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R9549	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9552	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9562	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J	
R9563	NRS12BJ-6R8W	MG RESISTOR	6.8Ω 1/2W J	
R9615	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9629	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9631	NRSA02J-332X	MG RESISTOR	3.3kΩ 1/10W J	
R9632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9635	NRS12BJ-221W	MG RESISTOR	220Ω 1/2W J	
R9637	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9641	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9648	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9657	NRS12BJ-6R8W	MG RESISTOR	6.8Ω 1/2W J	
R9658	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9659	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9660	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9661	NRS12BJ-6R8W	MG RESISTOR	6.8Ω 1/2W J	
R9901	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9902	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R9903	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9904	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D	
R9905	QRK126J-222X	UNF C RESISTOR	2.2kΩ 1/2W J	
R9906	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9907	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9908	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9909	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9141	NQL52EN-4R7X	COIL	4.7uH N	
L9201	QQR1662-001	CHOKE COIL		
L9202	QQR1513-001	CHOKE COIL		
L9541	NQL71EM-150X	COIL	15uH M	
L9542	NQL52EM-470X	COIL	47uH M	
L9902	NQR0562-001X	CHOKE COIL		
L9903	NQR0562-001X	CHOKE COIL		
L9904	NQL63EM-470X	COIL	47uH M	
⚠T9121	QAL0425-002	POWER TRANSF		
⚠T9501	QQS0347-002	SW TRANSF		
⚠T9502	QQS0347-002	SW TRANSF		
CN0006	QGB2501J1-07	CONNECTOR	B-B (1-7)	
⚠CN0007	QGB2501J1-10	CONNECTOR	B-B (1-10)	
CN000H	QGF1201C2-21	CONNECTOR	FFC/FPC (1-21)	
⚠CP9121	QMFZ052-2R0-E	FUSE	2A AC250V	
⚠CP9211	QMFZ043-2R0Z-J1	FUSE	2A AC250V	
⚠CP9301	QMFZ034-5R0Z-J1	FUSE	5A 125V	
⚠CP9302	QMFZ034-5R0Z-J1	FUSE	5A 125V	
⚠F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	
K9001	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K9111	NQR0499-001X	FERRITE BEADS		
K9211	QQR0621-002Z	FERRITE BEADS		
K9212	QQR0621-002Z	FERRITE BEADS		
K9501	NQR0499-002X	FERRITE BEADS		
K9502	NQR0499-002X	FERRITE BEADS		
K9503	NQR0499-002X	FERRITE BEADS		
K9504	NQR0499-002X	FERRITE BEADS		
K9505	NQR0499-002X	FERRITE BEADS		
K9508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9509	NQR0499-002X	FERRITE BEADS		
K9541	NQR0499-001X	FERRITE BEADS		
⚠LF9001	QQR1514-001	LINE FILTER		
⚠LF9002	QQR1467-001	LINE FILTER		
⚠LF9003	QQR1514-001	LINE FILTER		
⚠PC9541	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠PC9542	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠RY9021	QSK0162-001	RELAY		
⚠RY9201	QSK0163-001	RELAY		
⚠VA9001	QAF0060-621	VARISTOR	620V	

REGULATOR P.W. BOARD ASS'Y (SFL-9134A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9801	MP1593DN-X	IC		
IC9821	MP1593DN-X	IC		
IC9841	MP1593DN-X	IC		
IC9861	MP1593DN-X	IC		
IC9881	LM393DR-X	IC		
Q9801	2SC3928A/QR/-X	TRANSISTOR		
Q9821	2SC3928A/QR/-X	TRANSISTOR		
D9802	EC30HA04-X	SB DIODE		
D9803	MA111-X	SI DIODE		
D9805	PTZ6.8B-X	Z DIODE		
D9822	EC30HA04-X	SB DIODE		
D9823	PTZ6.8B-X	Z DIODE		
D9824	MA111-X	SI DIODE		
D9825	EC30HA04-X	SB DIODE		
D9842	EC30HA04-X	SB DIODE		
D9843	PTZ3.9B-X	Z DIODE		
D9861	MA111-X	SI DIODE		
D9862	EC30HA04-X	SB DIODE		
D9863	PTZ3.9B-X	Z DIODE		
D9864	EC30HA04-X	SB DIODE		
D9881	UDZS9.1B-X	Z DIODE		
D9882	MA111-X	SI DIODE		
C9803	NCJ41HK-335X-U	C CAPACITOR		
C9804	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9805	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9806	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9807	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C9810	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C9821	NCJ41HK-335X-U	C CAPACITOR		
C9822	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9823	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9825	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9826	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9827	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9830	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M	
C9831	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9843	NCJ41HK-335X-U	C CAPACITOR		
C9844	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9845	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9846	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9847	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9848	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9861	NCJ41HK-335X-U	C CAPACITOR		
C9862	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C9864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9865	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9866	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9867	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9868	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9881	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C9882	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9883	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9884	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
R9803	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9804	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R9805	NRVA02D-473X	CMF RESISTOR	47kΩ 1/10W D	
R9806	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9807	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9808	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9809	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9810	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9812	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9821	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9822	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9823	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9824	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9825	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R9826	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9827	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9828	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9829	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9830	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9831	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9841	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9843	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9844	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R9845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9846	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R9847	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9848	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9849	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9861	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9862	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9863	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J	
R9864	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R9865	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9866	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9867	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9868	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D	
R9869	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9881	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J	
R9882	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9883	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9884	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9885	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9886	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
L9802	NQL98EM-150X	COIL	15uH M	
L9822	NQL71EM-150X	COIL	15uH M	
L9823	NQR0562-003X	CHOKE COIL		
L9842	NQL98EM-150X	COIL	15uH M	
L9862	NQL98EM-150X	COIL	15uH M	
CN9806	QGB2501K2-07	CONNECTOR	B-B (1-7)	
CN9807	QGB2501K2-10	CONNECTOR	B-B (1-10)	

DIGITAL SIGANL P.W. BOARD ASS'Y (SFL0D238A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0401	SN74AHCT1G32V-X	IC		
IC1001	TC90A92AFG	IC		
IC1002	MM1572FN-X	IC		
IC1003	R1141Q151D-X	IC		
IC1005	ML87V2105TBZ03A	IC		
IC1502	NJM2235V-X	IC		
IC3001	JCC5055A	IC		
IC3004	TC7MB3257FK-X	IC		
IC3005	SN74LVC1G08V-X	IC		
IC3006	SN74LVC2G126T-X	IC		
IC3007	SN74LVC3G17U-X	IC		
IC3008	R1170H331B-X	IC		
IC3403	S-80928CLNB-G-W	IC		
IC3501	EDD1232AAFA-7A	IC		
IC3502	EDD1232AAFA-7A	IC		
IC3503	LP2996MR-X	IC		
IC4001	JCC5057	IC		
IC4003	AT29LE-37S60BU	IC(MICRO C ROM)	(SERVICE)	
IC4004	ATF256-37S60BU	IC	(SERVICE)	
IC6502	THC63LVDM83R-W	IC		
IC7001	MN102H60KLH	IC(MCU)		
IC7002	ATF512-37S60BU	IC(MICRO C ROM)	(SERVICE)	
IC7003	SN74LVC2G241T-X	IC		
IC7401	S-80928CLNB-G-W	IC		
IC7501	SDA6000-B12	IC		
IC7502	S-80828CNNB-G-W	IC		
IC7503	K4S641632H-UC75	IC		
IC7504	MBV160-37S60BU	IC(MICRO C ROM)	(SERVICE)	
IC7505	PQ2L3252MS-X	IC		
IC7506	CD74HC4053PW-X	IC		
IC7602	ATF32-37S60BU	IC	(SERVICE)	
IC9201	MP1593DN-X	IC		
Q0101	2SC3837K/NP/-X	TRANSISTOR		
Q0102	2SA1022/BC/-X	TRANSISTOR		
Q0104	2SA1022/BC/-X	TRANSISTOR		
Q0105	2SC3928A/QR/-X	TRANSISTOR		
Q0107	2SA1530A/QR/-X	TRANSISTOR		
Q0108	2SC3928A/QR/-X	TRANSISTOR		
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0201	2SC3837K/NP/-X	TRANSISTOR		
Q0202	2SA1022/BC/-X	TRANSISTOR		
Q0203	2SC3928A/QR/-X	TRANSISTOR		
Q0204	2SA1022/BC/-X	TRANSISTOR		
Q0205	2SC3928A/QR/-X	TRANSISTOR		
Q0206	2SC3928A/QR/-X	TRANSISTOR		
Q0207	2SA1530A/QR/-X	TRANSISTOR		
Q0208	2SC3928A/QR/-X	TRANSISTOR		
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0301	2SC3837K/NP/-X	TRANSISTOR		
Q0302	2SA1022/BC/-X	TRANSISTOR		
Q0303	2SC3928A/QR/-X	TRANSISTOR		
Q0304	2SA1022/BC/-X	TRANSISTOR		
Q0305	2SC3928A/QR/-X	TRANSISTOR		
Q0306	2SC3928A/QR/-X	TRANSISTOR		
Q0307	2SA1530A/QR/-X	TRANSISTOR		
Q0308	2SC3928A/QR/-X	TRANSISTOR		
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR		

⚠Ref No.	Part No.	Part Name	Description	Local
Q0311	2SC3928A/QR/-X	TRANSISTOR		
Q1001	UN2213-X	DIGI TRANSISTOR		
Q1003	2SC3928A/QR/-X	TRANSISTOR		
Q1004	2SC3928A/QR/-X	TRANSISTOR		
Q1005	2SK1228-X	MOS FET		
Q1006	2SK1228-X	MOS FET		
Q1101	2SC3928A/QR/-X	TRANSISTOR		
Q1103	2SA1530A/QR/-X	TRANSISTOR		
Q1201	2SC3928A/QR/-X	TRANSISTOR		
Q1203	2SA1530A/QR/-X	TRANSISTOR		
Q1301	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SA1530A/QR/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SA1530A/QR/-X	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SA1530A/QR/-X	TRANSISTOR		
Q3003	2SC3928A/QR/-X	TRANSISTOR		
Q3004	2SA1530A/QR/-X	TRANSISTOR		
Q4001	2SC3928A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q7201	2SA1530A/QR/-X	TRANSISTOR		
Q7202	2SC3928A/QR/-X	TRANSISTOR		
Q7203	2SC3928A/QR/-X	TRANSISTOR		
Q7204	2SC3928A/QR/-X	TRANSISTOR		
Q7205	2SC3928A/QR/-X	TRANSISTOR		
Q7206	UN2213-X	DIGI TRANSISTOR		
Q7207	UN2113-X	TRANSISTOR		
Q7208	UN2113-X	TRANSISTOR		
Q7209	UN2113-X	TRANSISTOR		
Q7501	2SA1162/YG/-X	TRANSISTOR		
Q7508	DTC114EKA-X	DIGI TRANSISTOR		
D1001	EC30HA03L-X	SB DIODE		
D1002	EC30HA03L-X	SB DIODE		
D2103	1SS355-X	SI DIODE		
D7001	1SS355-X	SI DIODE		
D7003	RB501V-40-X	SB DIODE		
D7005	UDZS8.2B-X	Z DIODE		
D7006	UDZS8.2B-X	Z DIODE		
D7007	UDZS8.2B-X	Z DIODE		
D7008	UDZS8.2B-X	Z DIODE		
D7009	UDZS8.2B-X	Z DIODE		
D7201	1SS355-X	SI DIODE		
D7203	1SS355-X	SI DIODE		
D7501	1SS355-X	SI DIODE		
D7502	1SS355-X	SI DIODE		
D9201	EC30HA04-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355-X	SI DIODE		
C0104	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0105	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0115	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0118	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0204	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0205	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0206	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0214	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0215	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0218	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0304	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0305	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0306	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0314	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0318	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1034	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1037	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C1042	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1048	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1050	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1051	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C1064	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1067	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1068	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1069	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C1071	NBE20GM-106X	TA E CAPACITOR	10uF 4V M	
C1072	NBE20GM-106X	TA E CAPACITOR	10uF 4V M	
C1073	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1074	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1075	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1076	NBE20GM-106X	TA E CAPACITOR	10uF 4V M	
C1077	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C1081	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1082	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1083	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1084	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1085	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1086	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1087	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1103	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1107	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1111	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1302	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1304	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1311	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1402	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1404	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C1406	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1411	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C3004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3019	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3021	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3025	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3026	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3030	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3049	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C3063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3069	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3070	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3071	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3072	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3074	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3076	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3112	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3127	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3128	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3129	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3518	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3519	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3530	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3543	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3548	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3550	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4022	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4031	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4908	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4915	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4917	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4919	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4920	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4921	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4923	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4925	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4926	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4932	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4933	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4934	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4935	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4936	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4937	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4938	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4939	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4941	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4942	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6013	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7025	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7201	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7402	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C7403	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7510	NEHM1CM-106X	E CAPACITOR	10uF 16V M	
C7511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7516	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7517	NDC31HJ-270X	C CAPACITOR	27pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C7518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7522	NEHM1CM-106X	E CAPACITOR	10uF 16V M	
C7523	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C7524	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C7525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7526	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7527	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7528	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7529	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7531	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C7532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7534	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7535	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7536	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7542	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C7543	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C7544	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C7545	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C7546	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7547	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C7548	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C7550	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7552	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7557	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C9001	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C9002	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C9003	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C9202	NCJ41HK-335X-U	C CAPACITOR		
C9203	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9209	NELA1AM-157X	E CAPACITOR	150uF 10V M	
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9212	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0106	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0119	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0138	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0209	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0214	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0219	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0238	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0242	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R0243	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0306	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0307	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0309	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0314	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0319	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0338	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0342	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0343	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0344	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0345	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1010	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1011	NQL093K-R10X	COIL	0.1uH K	
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1029	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1106	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1108	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3106	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3120	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3165	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3166	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3167	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3169	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3170	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3181	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3207	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R4004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4023	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4024	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4056	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4057	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4058	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4068	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6036	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6529	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6536	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6538	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6542	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6543	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6544	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6551	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6552	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6554	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6560	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6561	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7058	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7060	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7061	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7079	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7144	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R7145	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R7146	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7151	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7152	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7202	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7203	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7204	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7206	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7209	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R7210	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7224	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R7401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7510	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7511	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7514	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7515	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7518	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7556	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7557	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7558	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7559	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7560	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7561	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7566	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7567	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7568	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7569	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R7576	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7588	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7590	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7599	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7692	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7708	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R7709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7710	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7719	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R7720	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7725	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7726	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R9210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RA1001	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA1002	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
RA1003	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA4007	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4008	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4009	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4010	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4011	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4012	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7007	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7501	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA7502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA7503	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7504	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA7505	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
L0101	NQL092K-R68X	P COIL	0.68uH K	
L0102	NQL092K-1R0X	P COIL	1uH K	
L0201	NQL092K-R68X	P COIL	0.68uH K	
L0202	NQL092K-1R0X	P COIL	1uH K	
L0301	NQL092K-R68X	P COIL	0.68uH K	
L0302	NQL092K-1R0X	P COIL	1uH K	
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1001	NQR0489-002X	FERRITE BEADS		
L1002	NQR0489-002X	FERRITE BEADS		
L1003	NQL092K-1R5X	COIL	1.5uH K	
L1004	NQR0489-002X	FERRITE BEADS		
L1005	NQR0489-002X	FERRITE BEADS		
L1006	NQR0489-002X	FERRITE BEADS		
L1008	NQL79GM-220X	COIL	22uH M	
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1011	NQL79GM-470X	COIL	47uH M	
L1101	NQL092K-6R8X	P COIL	6.8uH K	
L1102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1103	NQL093K-1R0X	P COIL	1uH K	
L1104	NQL093K-R10X	COIL	0.1uH K	
L1201	NQL092K-6R8X	P COIL	6.8uH K	
L1203	NQL092K-1R0X	P COIL	1uH K	
L1301	NQL092K-3R3X	COIL	3.3uH K	
L1303	NQL092K-1R0X	P COIL	1uH K	
L1304	NQL093K-R10X	COIL	0.1uH K	
L1401	NQL092K-3R3X	COIL	3.3uH K	
L1403	NQL092K-1R0X	P COIL	1uH K	
L1404	NQL093K-R10X	COIL	0.1uH K	
L1501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1533	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1534	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3013	NQL093K-R10X	COIL	0.1uH K	
L3014	NQL093K-R10X	COIL	0.1uH K	
L3015	NQL093K-R10X	COIL	0.1uH K	
L3501	NQR0413-003X	FERRITE BEADS		
L4001	NQR0413-003X	FERRITE BEADS		
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6501	NQR0351-001X	FERRITE BEADS		
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7510	NQL092K-4R7X	COIL	4.7uH K	
L7512	NQR0489-002X	FERRITE BEADS		
L7513	NQR0489-002X	FERRITE BEADS		
L9001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L9201	NQL71EM-150X	COIL	15uH M	
CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)	
J001	NNZ0117-001	HDMI CONNECTOR	DIGITAL IN	
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1004	NQR0489-002X	FERRITE BEADS		
K1005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7503	NQR0389-003X	FERRITE BEADS		
K9001	NQR0413-003X	FERRITE BEADS		
K9002	NQR0413-003X	FERRITE BEADS		
LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M	
LC0522	NQR0470-007X	EMI FILTER	2200pF 50V +50%-20%	
LC0524	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC0527	NQR0483-006X	EMI FILTER		
LC6501	NQR0479-001X	EMI FILTER		
LC7004	NQR0483-003X	EMI FILTER		
LC7501	NQR0483-006X	EMI FILTER		
LC7502	NQR0483-006X	EMI FILTER		
SL7001	NAX0613-001X	C RESONATOR		
TP9001	LC42312-001A	EARTH TERMINAL		
TP9002	LC42312-001A	EARTH TERMINAL		
TP9003	LC42312-001A	EARTH TERMINAL		
X1001	NAX0642-001X	CRYSTAL		
X3001	NAX0635-001X	CXO		
X3003	NAX0668-001X	CXO		
X4001	NAX0669-001X	C RESONATOR		
X7501	NAX0618-001X	CRYSTAL		

RECEIVER P.W. BOARD ASS'Y (SFL0F204A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3204	TPS852-W	PHOTO CONDUCTOR		
IC3501	MSP3415GQGB8V3M	IC		
IC3503	HA17558AF-X	IC		
IC3504	BA80BC0FP-X	IC		
IC3505	NJU26901E2-W	IC		
IC3506	MC74VHC1GT125TX	IC		
IC3507	SN74LVC1G125V-X	IC		
IC3508	SN74LVC1G125V-X	IC		
IC3509	SN74LVC1G125V-X	IC		
IC3510	R1141Q251B-X	IC		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3502	2SC3928A/QR/-X	TRANSISTOR		
Q3503	UN2213-X	DIGI TRANSISTOR		
C3001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C3002	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C3003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3004	NEX60JM-227X	E CAPACITOR	220uF 6.3V M	
C3005	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C3007	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3008	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3009	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C3010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3011	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C3012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3014	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C3015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C3213	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3214	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3215	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3501	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3504	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3511	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3512	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3513	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C3514	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C3515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3516	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C3517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3518	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C3519	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3520	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3521	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3522	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3523	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3524	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3525	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3526	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3527	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3528	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C3529	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3530	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3532	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3533	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3534	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3535	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3536	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3537	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3544	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C3546	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C3551	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C3552	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C3553	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C3554	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C3555	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3556	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3559	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C3560	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3571	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3572	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3573	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3574	NCB11AK-106X	C CAPACITOR	10uF 10V K	
R3002	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3003	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3032	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3219	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3511	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3520	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3551	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3552	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3553	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3554	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3555	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3556	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3557	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3559	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3560	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3561	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3562	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3563	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3564	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3572	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3573	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3574	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3575	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3576	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3577	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3578	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3579	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3580	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3581	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3582	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3583	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3584	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3585	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L3001	NQL79GM-220X	COIL	22uH M	
L3002	NQL79GM-100X	COIL	10uH M	
L3003	NQL79GM-220X	COIL	22uH M	
L3503	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3504	NQL79GM-4R7X	COIL	4.7uH M	
L3506	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3507	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3508	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3509	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3501	NQR0389-003X	FERRITE BEADS		
K3502	NQR0389-003X	FERRITE BEADS		
LC3501	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
⚠TU3001	QAU0428-002	TUNER		
X3501	QAX0773-001Z	CRYSTAL	18.432000MHz	

PRINTED WIRING BOARD PARTS LIST [LT-37S60BU/P]

ANALOG SIGANL P.W. BOARD ASS'Y (SFL-1114A-U2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

CONNECTOR P.W. BOARD ASS'Y (SFL-4112A-U2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SFL-7111A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

FRONT LED P.W. BOARD ASS'Y (SFL-8133A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SFL-9034A-U2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

REGULATOR P.W. BOARD ASS'Y (SFL-9134A-U2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

DIGITAL SIGNAL P.W. BOARD ASS'Y (LCA10557-71A) (SFL-0D238A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0401	SN74AHCT1G32V-X	IC		
IC1001	TC90A92AFG	IC		
IC1002	MM1572FN-X	IC		
IC1003	R1141Q151D-X	IC		
IC1005	ML87V2105TBZ03A	IC		
IC1502	NJM2235V-X	IC		
IC3001	JCC5055A	IC		
IC3004	TC7MB3257FK-X	IC		
IC3005	SN74LVC1G08V-X	IC		
IC3006	SN74LVC2G126T-X	IC		
IC3007	SN74LVC3G17U-X	IC		
IC3008	R1170H331B-X	IC		
IC3403	S-80928CLNB-G-W	IC		
IC3501	EDD1232AAFA-7A	IC		
IC3502	EDD1232AAFA-7A	IC		
IC3503	LP2996MR-X	IC		
IC4001	JCC5057	IC		
IC4003	AT29LE-37S60BU	IC(MICRO C ROM)	(SERVICE)	
IC4004	ATF256-37S60BU	IC	(SERVICE)	
IC6502	THC63LVDM83R-W	IC		
IC7001	MN102H60KLH	IC(MCU)		
IC7002	ATF512-37S60BU	IC(MICRO C ROM)	(SERVICE)	
IC7003	SN74LVC2G241T-X	IC		
IC7401	S-80928CLNB-G-W	IC		
IC7501	SDA6000-B12	IC		
IC7502	S-80828CNNB-G-W	IC		
IC7503	K4S641632H-UC75	IC		
IC7504	MBV160-37S60BU	IC(MICRO C ROM)	(SERVICE)	
IC7505	PQ2L3252MS-X	IC		
IC7506	CD74HC4053PW-X	IC		
IC7602	ATF32-37S60BU	IC	(SERVICE)	
IC9201	MP1593DN-X	IC		
Q0101	2SC3837K/NP/-X	TRANSISTOR		
Q0102	2SA1022/BC/-X	TRANSISTOR		
Q0104	2SA1022/BC/-X	TRANSISTOR		
Q0105	2SC3928A/QR/-X	TRANSISTOR		
Q0107	2SA1530A/QR/-X	TRANSISTOR		
Q0108	2SC3928A/QR/-X	TRANSISTOR		
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0201	2SC3837K/NP/-X	TRANSISTOR		
Q0202	2SA1022/BC/-X	TRANSISTOR		
Q0203	2SC3928A/QR/-X	TRANSISTOR		
Q0204	2SA1022/BC/-X	TRANSISTOR		
Q0205	2SC3928A/QR/-X	TRANSISTOR		
Q0206	2SC3928A/QR/-X	TRANSISTOR		
Q0207	2SA1530A/QR/-X	TRANSISTOR		
Q0208	2SC3928A/QR/-X	TRANSISTOR		
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0301	2SC3837K/NP/-X	TRANSISTOR		
Q0302	2SA1022/BC/-X	TRANSISTOR		
Q0303	2SC3928A/QR/-X	TRANSISTOR		
Q0304	2SA1022/BC/-X	TRANSISTOR		
Q0305	2SC3928A/QR/-X	TRANSISTOR		
Q0306	2SC3928A/QR/-X	TRANSISTOR		
Q0307	2SA1530A/QR/-X	TRANSISTOR		
Q0308	2SC3928A/QR/-X	TRANSISTOR		
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0311	2SC3928A/QR/-X	TRANSISTOR		
Q1001	UN2213-X	DIGI TRANSISTOR		
Q1003	2SC3928A/QR/-X	TRANSISTOR		
Q1004	2SC3928A/QR/-X	TRANSISTOR		
Q1005	2SK1228-X	MOS FET		
Q1006	2SK1228-X	MOS FET		
Q1101	2SC3928A/QR/-X	TRANSISTOR		
Q1103	2SA1530A/QR/-X	TRANSISTOR		
Q1201	2SC3928A/QR/-X	TRANSISTOR		
Q1203	2SA1530A/QR/-X	TRANSISTOR		
Q1301	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SA1530A/QR/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SA1530A/QR/-X	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SA1530A/QR/-X	TRANSISTOR		
Q3003	2SC3928A/QR/-X	TRANSISTOR		
Q3004	2SA1530A/QR/-X	TRANSISTOR		
Q4001	2SC3928A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q7201	2SA1530A/QR/-X	TRANSISTOR		
Q7202	2SC3928A/QR/-X	TRANSISTOR		
Q7203	2SC3928A/QR/-X	TRANSISTOR		
Q7204	2SC3928A/QR/-X	TRANSISTOR		
Q7205	2SC3928A/QR/-X	TRANSISTOR		
Q7206	UN2213-X	DIGI TRANSISTOR		
Q7207	UN2113-X	TRANSISTOR		
Q7208	UN2113-X	TRANSISTOR		
Q7209	UN2113-X	TRANSISTOR		
Q7501	2SA1162/YG/-X	TRANSISTOR		
Q7508	DTC114EKA-X	DIGI TRANSISTOR		
D1001	EC30HA03L-X	SB DIODE		
D1002	EC30HA03L-X	SB DIODE		
D2103	1SS355-X	SI DIODE		
D7001	1SS355-X	SI DIODE		
D7003	RB501V-40-X	SB DIODE		
D7005	UDZS8.2B-X	Z DIODE		
D7006	UDZS8.2B-X	Z DIODE		
D7007	UDZS8.2B-X	Z DIODE		
D7008	UDZS8.2B-X	Z DIODE		
D7009	UDZS8.2B-X	Z DIODE		
D7201	1SS355-X	SI DIODE		
D7203	1SS355-X	SI DIODE		
D7501	1SS355-X	SI DIODE		
D7502	1SS355-X	SI DIODE		
D9201	EC30HA04-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	1SS355-X	SI DIODE		
C0104	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0105	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0115	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0118	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0204	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0205	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0206	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0214	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C0215	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0218	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0304	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0305	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0306	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C0307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0314	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0318	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1034	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1037	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C1042	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1048	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1050	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1051	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C1064	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1067	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1068	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1069	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C1071	NBE20GM-106X	TA E CAPACITOR	10uF 4V M	
C1072	NBE20GM-106X	TA E CAPACITOR	10uF 4V M	
C1073	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1074	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1075	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1076	NBE20GM-106X	TA E CAPACITOR	10uF 4V M	
C1077	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C1081	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1082	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1083	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1084	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1085	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1086	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1087	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1103	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1107	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1111	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1302	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1304	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1311	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1402	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1404	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1406	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1411	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C3004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3019	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3021	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3025	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3026	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3030	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3049	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C3063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3069	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3070	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3071	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3072	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3074	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3076	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3097	NCB30JK-225X	SP CAPACITOR	2.2uF 6.3V K	
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3112	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3127	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3128	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3129	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3518	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3519	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3530	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3543	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3548	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3550	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4022	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4031	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C4901	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4906	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4907	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4908	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4909	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4910	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4913	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4915	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4916	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4917	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4919	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4920	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4921	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4922	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4923	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4925	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4926	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4931	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4932	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4933	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4934	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4935	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4936	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4937	NCB31HK-103X	C CAPACITOR	0.01uF 50V	
C4938	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4939	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4941	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4942	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6013	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6520	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7025	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7201	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7402	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C7403	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7510	NEHM1CM-106X	E CAPACITOR	10uF 16V M	
C7511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7516	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C7517	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C7518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7522	NEHM1CM-106X	E CAPACITOR	10uF 16V M	
C7523	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C7524	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C7525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7526	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7527	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7528	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7529	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7531	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C7532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7534	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7535	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7536	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7542	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C7543	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C7544	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C7545	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C7546	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7547	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C7548	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C7550	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7552	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7557	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C9001	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C9002	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C9003	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C9202	NCJ41HK-335X-U	C CAPACITOR		
C9203	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9209	NELA1AM-157X	E CAPACITOR	150uF 10V M	
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9212	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0106	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0119	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0138	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0209	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0214	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R0219	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0238	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0242	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0243	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0306	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0307	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0309	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0314	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0319	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0338	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0342	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0343	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0344	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0345	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1010	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1011	NQL093K-R10X	P COIL	0.1uH K	
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1029	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1106	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1108	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3106	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3120	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3165	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3166	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3167	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3169	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3170	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3181	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3207	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R4004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4023	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4024	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4056	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4057	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4058	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4068	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6036	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6529	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6536	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6538	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6542	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6543	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6544	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6551	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6552	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6554	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6558	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6560	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6561	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7058	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7060	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7061	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7079	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7144	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R7145	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R7146	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7151	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7152	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7202	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7203	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7204	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7206	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7209	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R7210	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7224	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R7401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7510	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7511	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7514	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7515	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7518	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7556	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7557	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7558	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7559	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7560	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7561	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7566	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7567	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7568	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7569	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R7576	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7588	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7590	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7599	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7692	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7708	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R7709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7710	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7719	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R7720	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7725	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7726	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R9210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RA1001	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA1002	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA1003	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA4007	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4008	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4009	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4010	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4011	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA4012	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
RA6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7007	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7501	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA7502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA7503	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA7504	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA7505	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
L0101	NQL092K-R68X	P COIL	0.68uH K	
L0102	NQL092K-1R0X	P COIL	1uH K	
L0201	NQL092K-R68X	P COIL	0.68uH K	
L0202	NQL092K-1R0X	P COIL	1uH K	
L0301	NQL092K-R68X	P COIL	0.68uH K	
L0302	NQL092K-1R0X	P COIL	1uH K	
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1001	NQR0489-002X	FERRITE BEADS		
L1002	NQR0489-002X	FERRITE BEADS		
L1003	NQL092K-1R5X	P COIL	1.5uH K	
L1004	NQR0489-002X	FERRITE BEADS		
L1005	NQR0489-002X	FERRITE BEADS		
L1006	NQR0489-002X	FERRITE BEADS		
L1008	NQL79GM-220X	COIL	22uH M	
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1011	NQL79GM-470X	COIL	47uH M	
L1101	NQL092K-6R8X	P COIL	6.8uH K	
L1102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1103	NQL093K-1R0X	P COIL	1uH K	
L1104	NQL093K-R10X	P COIL	0.1uH K	
L1201	NQL092K-6R8X	P COIL	6.8uH K	
L1203	NQL092K-1R0X	P COIL	1uH K	
L1301	NQL092K-3R3X	P COIL	3.3uH K	
L1303	NQL092K-1R0X	P COIL	1uH K	
L1304	NQL093K-R10X	P COIL	0.1uH K	
L1401	NQL092K-3R3X	P COIL	3.3uH K	

⚠Ref No.	Part No.	Part Name	Description	Local
L1403	NQL092K-1R0X	P COIL	1uH K	
L1404	NQL093K-R10X	P COIL	0.1uH K	
L1501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1533	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1534	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3013	NQL093K-R10X	P COIL	0.1uH K	
L3014	NQL093K-R10X	P COIL	0.1uH K	
L3015	NQL093K-R10X	P COIL	0.1uH K	
L3501	NQR0413-003X	FERRITE BEADS		
L4001	NQR0413-003X	FERRITE BEADS		
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6501	NQR0351-001X	FERRITE BEADS		
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7510	NQL092K-4R7X	P COIL	4.7uH K	
L7512	NQR0489-002X	FERRITE BEADS		
L7513	NQR0489-002X	FERRITE BEADS		
L9001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L9201	NQL71EM-150X	COIL	15uH M	
CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)	

⚠Ref No.	Part No.	Part Name	Description	Local
J001	NNZ0117-001	HDMI CONNECTOR	DIGITAL IN	
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1004	NQR0489-002X	FERRITE BEADS		
K1005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7503	NQR0389-003X	FERRITE BEADS		
K9001	NQR0413-003X	FERRITE BEADS		
K9002	NQR0413-003X	FERRITE BEADS		
LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M	
LC0522	NQR0470-007X	EMI FILTER	2200pF 50V +50%-20%	
LC0524	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC0527	NQR0483-006X	EMI FILTER		
LC6501	NQR0479-001X	EMI FILTER		
LC7004	NQR0483-003X	EMI FILTER		
LC7501	NQR0483-006X	EMI FILTER		
LC7502	NQR0483-006X	EMI FILTER		
SL7001	NAX0613-001X	C RESONATOR		
TP9001	LC42312-001A	EARTH TERMINAL		
TP9002	LC42312-001A	EARTH TERMINAL		
TP9003	LC42312-001A	EARTH TERMINAL		
X1001	NAX0642-001X	CRYSTAL		
X3001	NAX0635-001X	CXO		
X3003	NAX0668-001X	CXO		
X4001	NAX0669-001X	C RESONATOR		
X7501	NAX0618-001X	CRYSTAL		

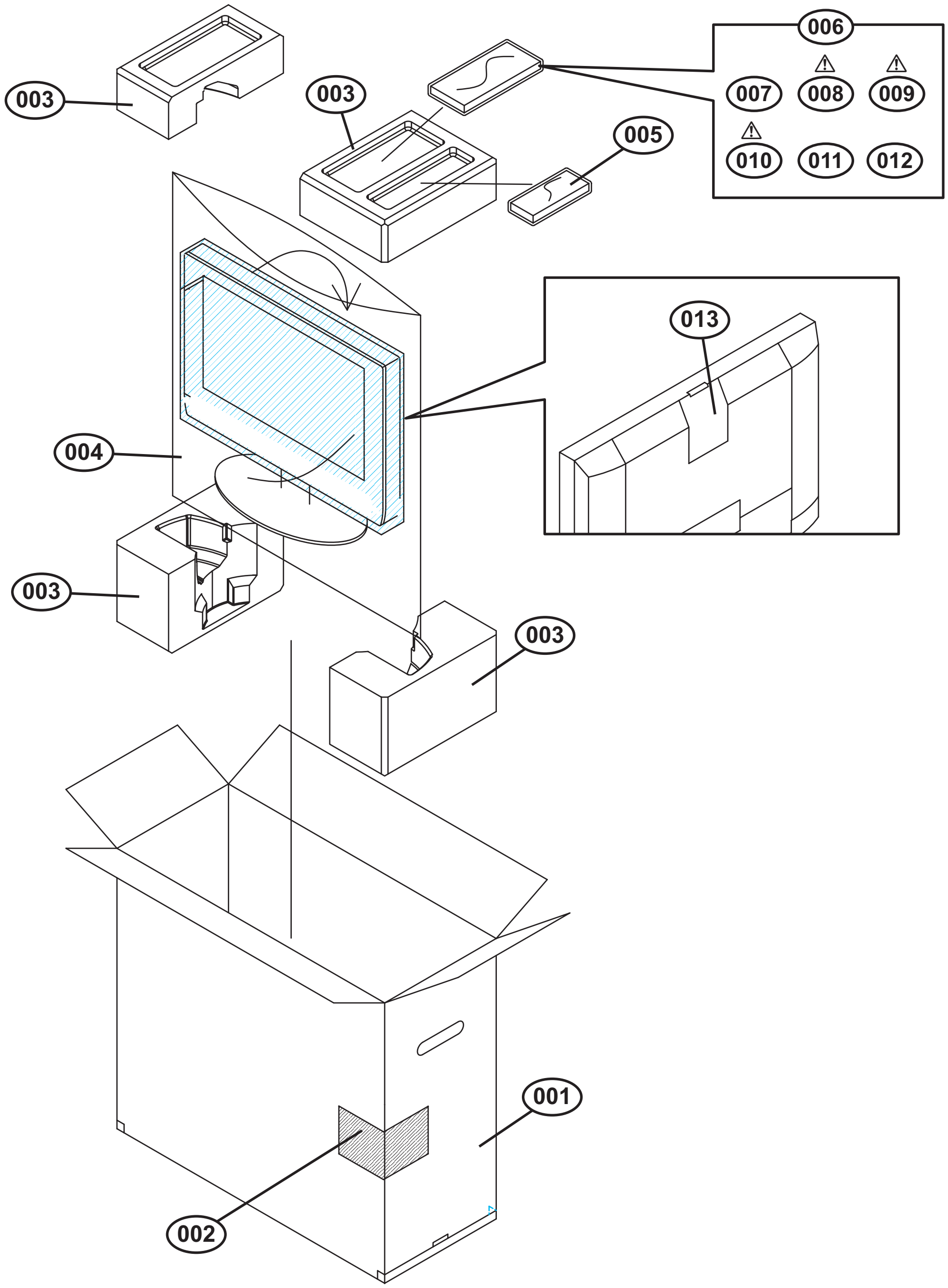
RECEIVER P.W. BOARD ASS'Y (SFL0F204A-U2)

REFER TO PARTS LIST IN PAGE 3-20 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C1811H-1C)

⚠ Ref.No.	Part No.	Part Name	Description	Local
	2AA070311	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	001	GA10002-070A-U	PACKING CASE		
	002	GA10027-020A-U	EURO LABEL		LT-37S60BU
	002	GA10027-018A-U	EURO LABEL		LT-37S60BU/P
	003	GA10133-001A-U	CUSHION ASSY	4pcs in 1set	
	004	GA10026-003A-U	FORM BAG		
	005	RM-C1811H-1C	REMOCON UNIT	Inc.POLY BAG	
	006	GA30007-001A-U	DOCUMENT BAGS	(x2)	
	007	------------	WARRANTY CARD	BT-54027-1E	
⚠	008	LCT1848-001B-U	INST BOOK	English/German/French/Dutch/Spanish/Italian/Portuguese	
⚠	009	LCT1849-001B-U	INST BOOK	Norwegian/Finn/Danish/Swedish	
⚠	010	LCT1850-001B-U	INST BOOK	Russian/Polish/Czech/Hungarian/Romanian/Bulgarian	
	011	------------	BATTERY	R6P/AA(x2)	
	012	LCT1923-002A-U	SHEET(WEEE)-E		
	013	LCT1504-001A-U	CAUTION SHEET		

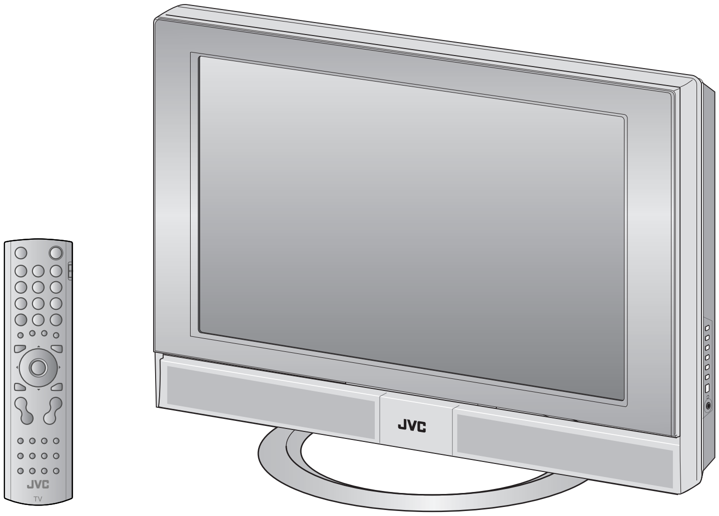
SCHEMATIC DIAGRAMS

WIDE LCD PANEL TELEVISION

LT-37S60BU,
LT-37S60BU/P

CD-ROM No.SML200509

BASIC CHASSIS
FL2



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No.YA298
2005/9

LT-37S60BU, LT-37S60BU/P
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal	
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped	
(3)Internal resistance of tester	: DC 20kΩ/V	
(4)Oscilloscope sweeping time	: H	⇒ 20μs / div
	: V	⇒ 5ms / div
	: Otthers	⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values	

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

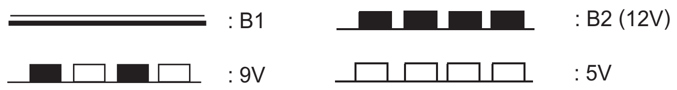
● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

No unit	: [μH]
Others	: As specified

(4)Power Supply

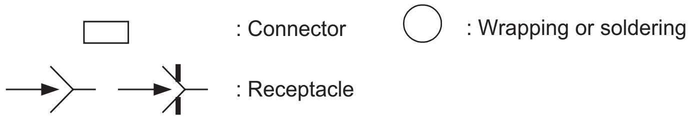


∗Respective voltage values are indicated

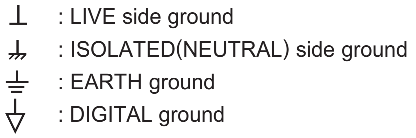
(5)Test point

: Test point
: Only test point display

(6)Connecting method



(7)Ground symbol



5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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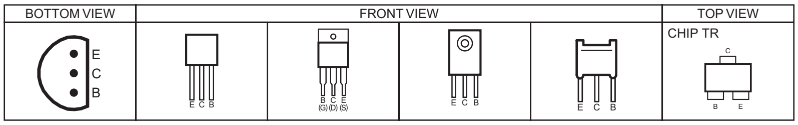
USING P.W. BOARD

P.W.B ASS'Y name	LT-37S60BU	LT-37S60BU/P
ANALOG SIGNAL P.W. BOARD	SFL-1114A-U2	←
CONNECTOR P.W. BOARD	SFL-4112A-U2	←
FRONT CONTROL P.W. BOARD	SFL-7111A-U2	←
FRONT LED P.W. BOARD	SFL-8133A-U2	←
POWER P.W. BOARD	SFL-9034A-U2	←
REGULATOR P.W. BOARD	SFL-9134A-U2	←
DIGITAL SIGNAL P.W. BOARD	SFL0D238A-U2	LCA10557-71A (SFL-0D238A)
RECEIVER P.W. BOARD	SFL0F204A-U2	←

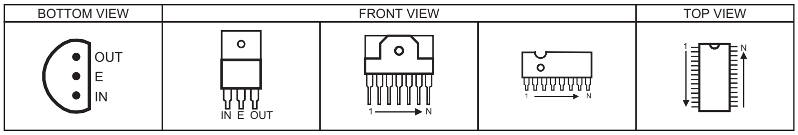
SEMICONDUCTOR SHAPES

TRANSISTOR



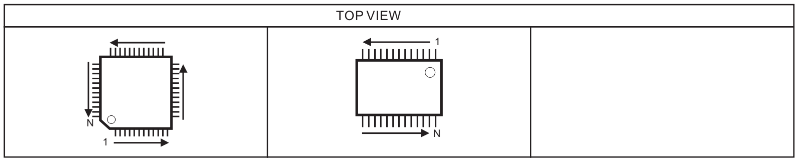
BOTTOM VIEW
FRONT VIEW
TOP VIEW
E
C
B
E C B
B C E
(G) (D) (S)
E C B
E C B
CHIP TR
C
B E

IC



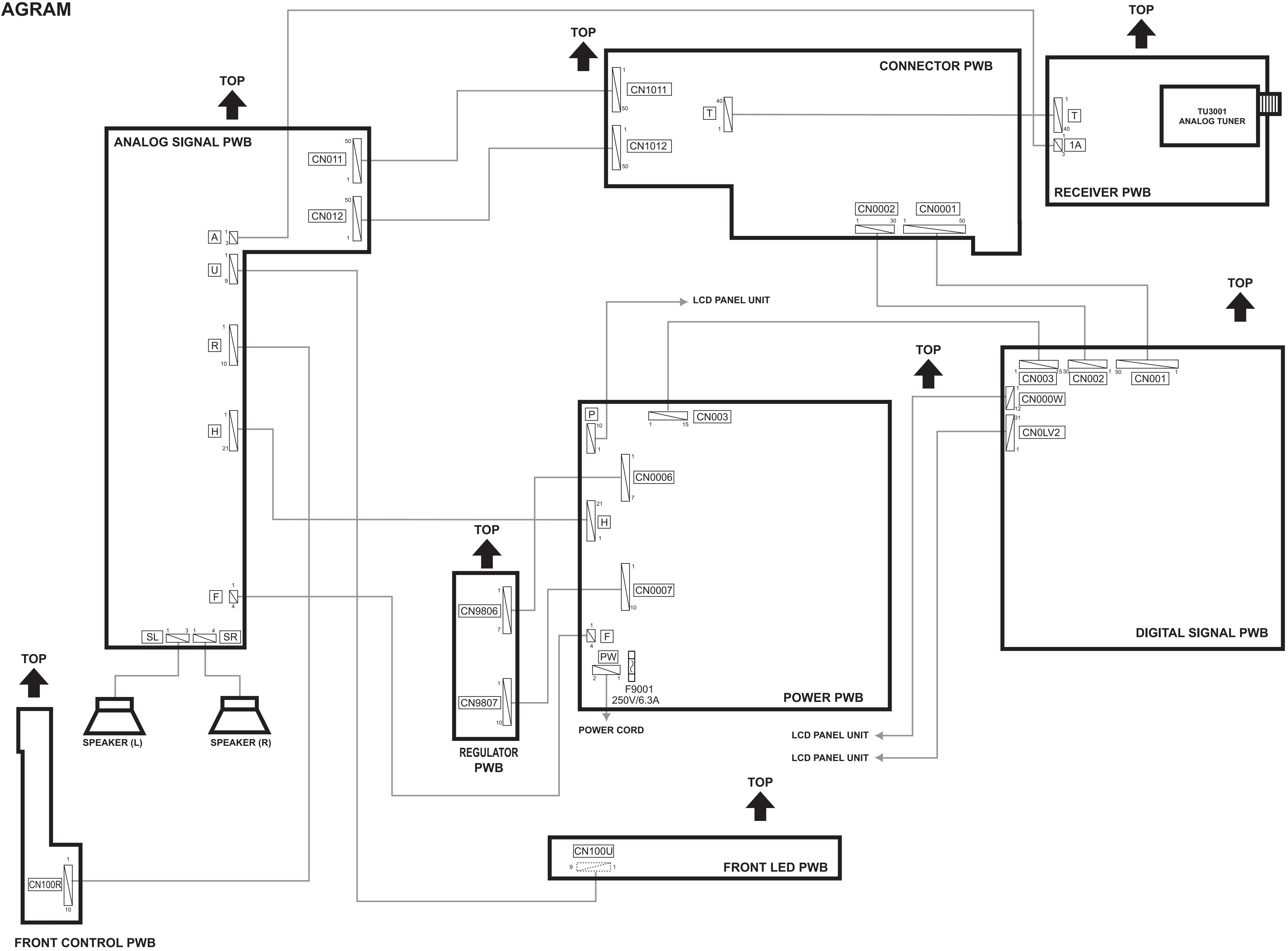
BOTTOM VIEW
FRONT VIEW
TOP VIEW
OUT
E
IN
IN E OUT
1
N
1
N
1
N

CHIP IC



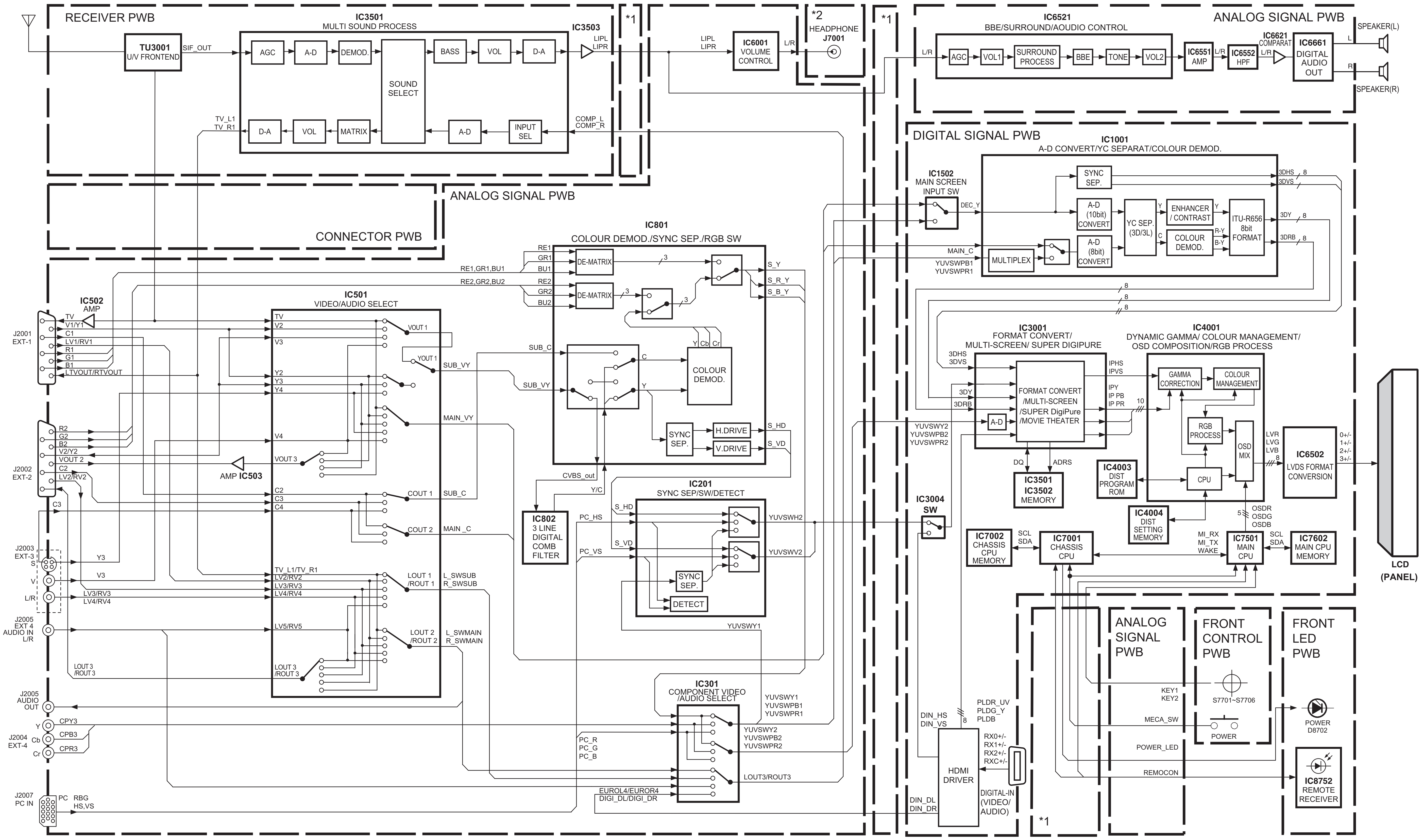
TOP VIEW
N
1
1
N

WIRING DIAGRAM



TOP
CONNECTOR PWB
CN1011
CN1012
T
CN0002
CN0001
TOP
RECEIVER PWB
T
1A
TU3001
ANALOG TUNER
TOP
ANALOG SIGNAL PWB
CN011
CN012
A
U
R
H
F
SL
SR
LCD PANEL UNIT
TOP
DIGITAL SIGNAL PWB
CN003
CN002
CN001
CN000W
CN0LV2
TOP
POWER PWB
P
CN003
CN0006
H
CN0007
F
PW
F9001
250V/6.3A
POWER CORD
LCD PANEL UNIT
LCD PANEL UNIT
TOP
REGULATOR PWB
CN9806
CN9807
TOP
SPEAKER (L)
SPEAKER (R)
TOP
FRONT CONTROL PWB
CN100R
TOP
FRONT LED PWB
CN100U

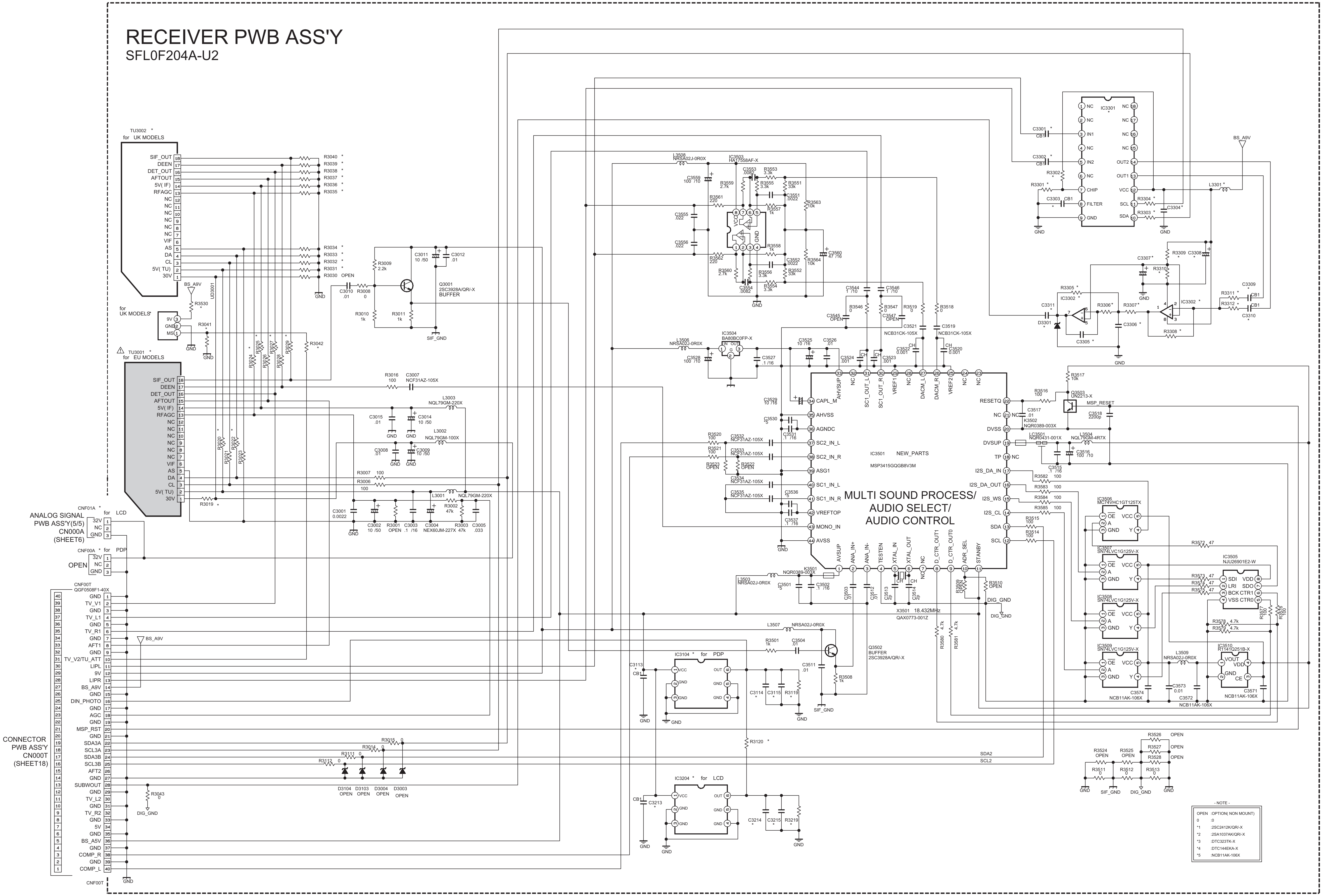
BLOCK DIAGRAM


RECEIVER PWB
TU3001
U/V FRONTEND
SIF_OUT
IC3501
MULTI SOUND PROCESS
AGC
A-D
DEMOD.
SOUND SELECT
BASS
VOL
D-A
IC3503
LIPL
LIPR
TV_L1
TV_R1
MATRIX
INPUT SEL
COMP_L
COMP_R
*1
IC6001
VOLUME CONTROL
L/R
*2
HEADPHONE
J7001
IC6521
BBE/SURROUND/AOUDIO CONTROL
ANALOG SIGNAL PWB
VOL1
SURROUND PROCESS
BBE
TONE
VOL2
IC6551
AMP
IC6552
HPF
IC6621
COMPARAT
IC6661
DIGITAL AUDIO OUT
SPEAKER(L)
SPEAKER(R)
CONNECTOR PWB
ANALOG SIGNAL PWB
DIGITAL SIGNAL PWB
IC1001
A-D CONVERT/YC SEPARAT/COLOUR DEMOD.
IC1502
MAIN SCREEN INPUT SW
DEC_Y
MAIN_C
YUVSWPB1
YUVSWPR1
MULTIPLEX
SYNC SEP.
A-D (10bit) CONVERT
A-D (8bit) CONVERT
YC SEP. (3D/3L)
ENHANCER / CONTRAST
COLOUR DEMOD.
R-Y
B-Y
ITU-R656 8bit FORMAT
3DHS
3DVS
3DY
3DRB
IC801
COLOUR DEMOD./SYNC SEP./RGB SW
RE1
GR1
BU1
RE2
GR2
BU2
RE1,GR1,BU1
RE2,GR2,BU2
DE-MATRIX
S_Y
S_R_Y
S_B_Y
SUB_C
SUB_Y
Y Cb Cr
COLOUR DEMOD.
SYNC SEP.
H.DRIVE
V.DRIVE
S_HD
S_VD
CVBS_out
Y/C
IC502
AMP
J2001
EXT-1
TV
V1/Y1
C1
LV1/RV1
R1
G1
B1
LTVOUT/RTVOUT
IC501
VIDEO/AUDIO SELECT
V2
V3
Y2
Y3
Y4
V4
VOUT 1
YOUT 1
SUB_VY
MAIN_VY
VOUT 3
C2
C3
C4
COUT 1
COUT 2
MAIN _C
J2002
EXT-2
R2
G2
B2
V2/Y2
VOUT 2
LV2/RV2
AMP IC503
J2003
EXT-3
S
V
L/R
LV3/RV3
LV4/RV4
J2005
EXT 4
AUDIO IN
L/R
TV_L1/TV_R1
LV5/RV5
LOUT 1 /ROUT 1
L_SWSUB
R_SWSUB
LOUT 2 /ROUT 2
L_SWMAIN
R_SWMAIN
LOUT 3 /ROUT 3
J2005
AUDIO OUT
J2004
EXT-4
Y
Cb
Cr
CPY3
CPB3
CPR3
J2007
PC IN
PC
RBG
HS,VS
IC802
3 LINE DIGITAL COMB FILTER
PC_HS
PC_VS
IC201
SYNC SEP/SW/DETECT
YUVSWH2
YUVSWV2
DETECT
YUVSWY1
IC301
COMPONENT VIDEO /AUDIO SELECT
YUVSWPB1
YUVSWPR1
YUVSWY2
YUVSWPB2
YUVSWPR2
LOUT3/ROUT3
PC_R
PC_G
PC_B
EUROL4/EUROR4
DIGI_DL/DIGI_DR
IC3001
FORMAT CONVERT/ MULTI-SCREEN/ SUPER DIGIPURE
FORMAT CONVERT /MULTI-SCREEN /SUPER DigiPure /MOVIE THEATER
IPHS
IPVS
IPY
IP PB
IP PR
DQ
ADRS
IC3501
IC3502
MEMORY
IC4001
DYNAMIC GAMMA/ COLOUR MANAGEMENT/ OSD COMPOSITION/RGB PROCESS
GAMMA CORRECTION
COLOUR MANAGEMENT
RGB PROCESS
OSD MIX
CPU
LVR
LVG
LVB
IC6502
LVDS FORMAT CONVERSION
0+/-
1+/-
2+/-
3+/-
LCD (PANEL)
IC4003
DIST PROGRAM ROM
IC4004
DIST SETTING MEMORY
OSDR
OSDG
OSDB
IC3004
SW
IC7002
CHASSIS CPU MEMORY
SCL
SDA
IC7001
CHASSIS CPU
MI_RX
MI_TX
WAKE
IC7501
MAIN CPU
IC7602
MAIN CPU MEMORY
DIN_HS
DIN_VS
PLDR_UV
PLDG_Y
PLDB
RX0+/-
RX1+/-
RX2+/-
RXC+/-
HDMI DRIVER
DIGITAL-IN (VIDEO/ AUDIO)
DIN_DL
DIN_DR
ANALOG SIGNAL PWB
FRONT CONTROL PWB
FRONT LED PWB
KEY1
KEY2
S7701~S7706
MECA_SW
POWER
POWER_LED
POWER D8702
REMOCON
IC8752
REMOTE RECEIVER

*1 : CONNECTOR PWB
*2 : FRONT CONTROL PWB

CIRCUIT DIAGRAMS

RECEIVER PWB CIRCUIT DIAGRAM SHEET 1


RECEIVER PWB ASS'Y
SFL0F204A-U2
TU3002 * for UK MODELS
TU3001 * for EU MODELS
UD3001
ANALOG SIGNAL PWB ASS'Y(5/5) CN000A (SHEET6)
CONNECTOR PWB ASS'Y CN000T (SHEET18)
CNF01A * for LCD
CNF00A * for PDP
OPEN
CNF00T QGF0508F1-40X
IC3501 NEW_PARTS
MSP3415GQGB8V3M
MULTI SOUND PROCESS/ AUDIO SELECT/ AUDIO CONTROL
IC3503 HA17558AF-X
IC3504 BA80BC0FP-X
IC3301
IC3302
IC3104 * for PDP
IC3204 * for LCD
IC3505 NJU26901E2-W
IC3506 MC74VHC1GT125TX
IC3507 SN74LVC1G125V-X
IC3508 SN74LVC1G125V-X
IC3509 SN74LVC1G125V-X
IC3510 R1141Q251B-X
Q3001 2SC3928A/QR/-X BUFFER
Q3502 BUFFER 2SC3928A/QR/-X
Q3503 UN2213-X
X3501 18.432MHz QAX0773-001Z
BS_A9V
SIF_GND
DIG_GND
GND
SDA2
SCL2

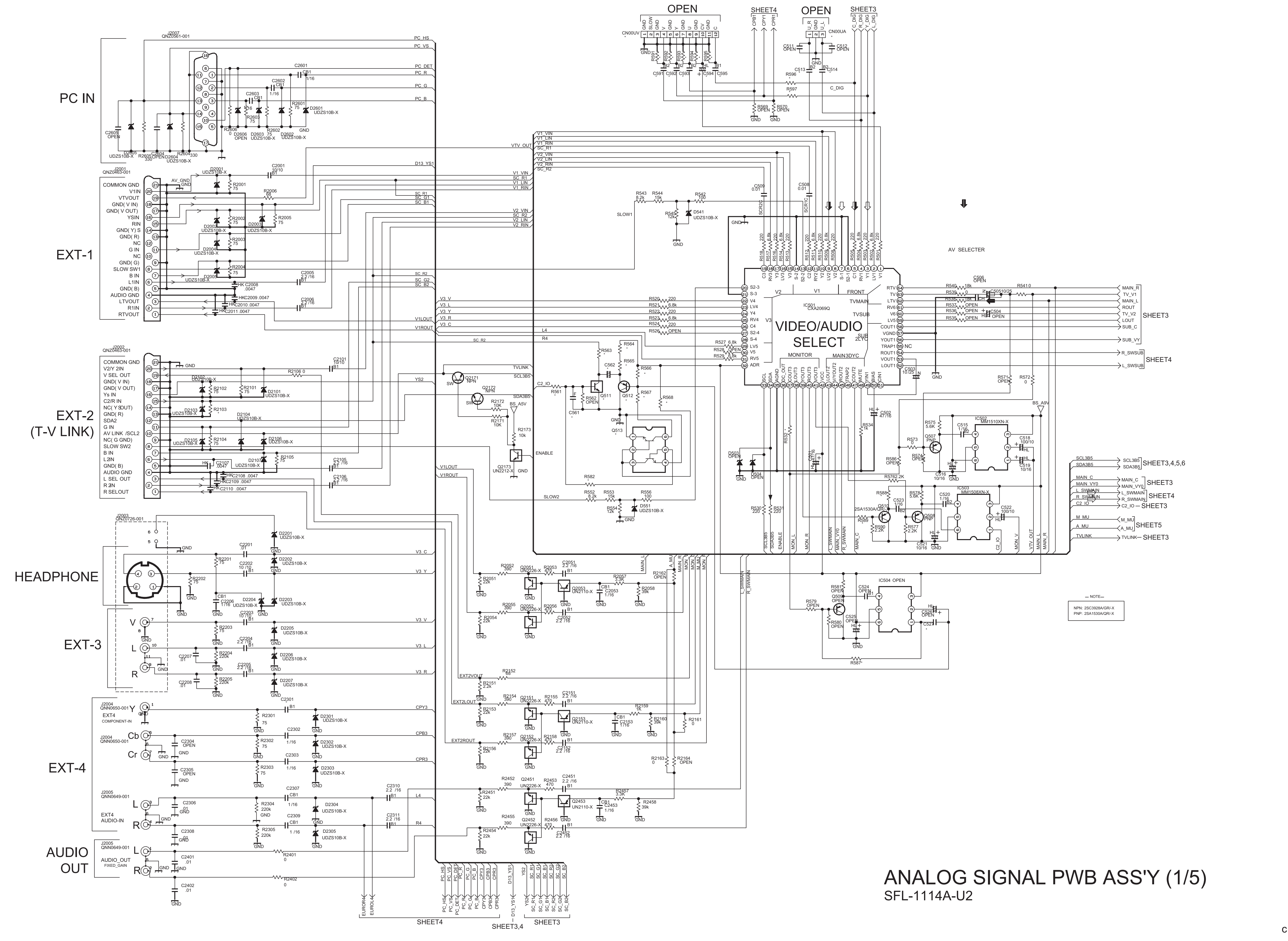
- NOTE -

OPEN :OPTION(NON MOUNT)
0 :0
*1 :2SC2412K/QR/-X
*2 :2SA1037AK/QR/-X
*3 :DTC323TK-X
*4 :DTC144EKA-X
*5 :NCB11AK-106X

	LCD UK	LCD EU	PDP UK
	SFL-0F203A	SFL-0F204A	SFP-0F205A
	OLLC08303	OLLC08303-02	OLLC08116-03
CNF00A	OPEN	OPEN	QGA2001C6-03X
CNF01A	QGA2001F6-03X	QGA2001F6-03X	OPEN
TU3001	OPEN	QAU0428-001	OPEN
TU3002	QAU0428-001	OPEN	QAU0428-001
UD3001	QAU0429-001	OPEN	QAU0429-001
R3019	OPEN	0	OPEN
R3020	0	OPEN	0
R3021	0	OPEN	0
R3022	0	OPEN	0
R3023	0	OPEN	0
R3024	0	OPEN	0
R3025	0	OPEN	0
R3026	0	OPEN	0
R3027	0	OPEN	0
R3028	0	OPEN	0
R3029	0	OPEN	0
R3031	OPEN	0	OPEN
R3032	OPEN	0	OPEN
R3033	OPEN	0	OPEN
R3034	OPEN	0	OPEN
R3035	OPEN	0	OPEN
R3036	OPEN	0	OPEN
R3037	OPEN	0	OPEN
R3038	OPEN	0	OPEN
R3039	OPEN	0	OPEN
R3040	OPEN	0	OPEN
R3041	OPEN	0	OPEN
R3042	0	OPEN	0
R3530	0	OPEN	0
IC3104	OPEN	OPEN	TPS852-W
IC3204	TPS852-W	TPS852-W	OPEN
R3119	OPEN	OPEN	100k
R3120	0	0	OPEN
R3219	100k	100k	OPEN
C3113	OPEN	OPEN	NCB11AK-106X
C3114	OPEN	OPEN	NCB11AK-106X
C3115	OPEN	OPEN	NCB31CK-104X
C3213	NCB11AK-106X	NCB11AK-106X	OPEN
C3214	NCB11AK-106X	NCB11AK-106X	OPEN
C3215	NCB31CK-104X	NCB31CK-104X	OPEN
IC3301	OPEN	OPEN	BD3869AF-X
IC3302	OPEN	OPEN	RC4558D-X
L3301	OPEN	OPEN	NRSA02J-0R0X
R3301	OPEN	OPEN	0
R3303	OPEN	OPEN	0
R3304	OPEN	OPEN	0
R3305	OPEN	OPEN	15k
R3306	OPEN	OPEN	10k
R3307	OPEN	OPEN	10k
R3308	OPEN	OPEN	15k
R3309	OPEN	OPEN	4.7k
R3310	OPEN	OPEN	4.7k
R3311	OPEN	OPEN	10k
R3312	OPEN	OPEN	10k
C3301	OPEN	OPEN	NCB11AK-106X
C3302	OPEN	OPEN	NCB11AK-106X
C3303	OPEN	OPEN	NCB11AK-106X
C3304	OPEN	OPEN	NCF11CZ-475Z
C3305	OPEN	OPEN	NCB31CK-683X
C3306	OPEN	OPEN	NCB31HK-183X
C3307	OPEN	OPEN	NEHL1CM-476X
C3308	OPEN	OPEN	NEHL1CM-476X
C3309	OPEN	OPEN	NCB11AK-106X
C3310	OPEN	OPEN	NCB11AK-106X
C3311	OPEN	OPEN	NCB11AK-106X
D3301	OPEN	OPEN	UDZS10B-X

c10346-001a001_0525_1/1_0.1

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (1/5) SHEET 2


PC IN
EXT-1
EXT-2
(T-V LINK)
HEADPHONE
EXT-3
EXT-4
AUDIO
OUT
OPEN
SHEET4
OPEN
SHEET3
VIDEO/AUDIO
SELECT
IC501
CXA2069Q
AV SELECTER
IC502
MM1510XN-X
IC503
MM1508XN-X
IC504 OPEN
SHEET3
SHEET4
SHEET3,4,5,6
SHEET3
SHEET4
SHEET3
SHEET5
SHEET3
SHEET4
SHEET3,4
SHEET3
J2007
J2001
QNZ0463-001
J2002
QNZ0463-001
J2003
QNZ0726-001
J2004
QNN0650-001
J2005
QNN0649-001
COMMON GND
V1IN
VTVOUT
GND(V IN)
GND(V OUT)
YSIN
RIN
GND(Y) S
GND(R)
NC
G IN
NC
GND(G)
SLOW SW1
B IN
L1IN
GND(B)
AUDIO GND
LTVOUT
R1IN
RTVOUT
COMMON GND
V2/Y 2IN
V SEL OUT
GND(V IN)
GND(V OUT)
Ys IN
C2/R IN
NC(Y SOUT)
GND(R)
SDA2
G IN
AV LINK /SCL2
NC(G GND)
SLOW SW2
B IN
L2IN
GND(B)
AUDIO GND
L SEL OUT
R 2IN
R SELOUT
V
L
R
Y
Cb
Cr
EXT4
COMPONENT-IN
EXT4
AUDIO-IN
AUDIO_OUT
FIXED_GAIN
L
R
L
R
MAIN_R
TV_V1
MAIN_L
ROUT
LOUT
TV_V2
SUB_C
SUB_VY
R_SWSUB
L_SWSUB
SCL3B5
SDA3B5
MAIN_C
MAIN_VY0
L_SWMAIN
R_SWMAIN
C2_IO
M_MU
A_MU
TVLINK
EUROL
EUROR

— NOTE —

NPN: 2SC3928A/GR/-X
PNP: 2SA1530A/QR/-X

ANALOG SIGNAL PWB ASS'Y (1/5)

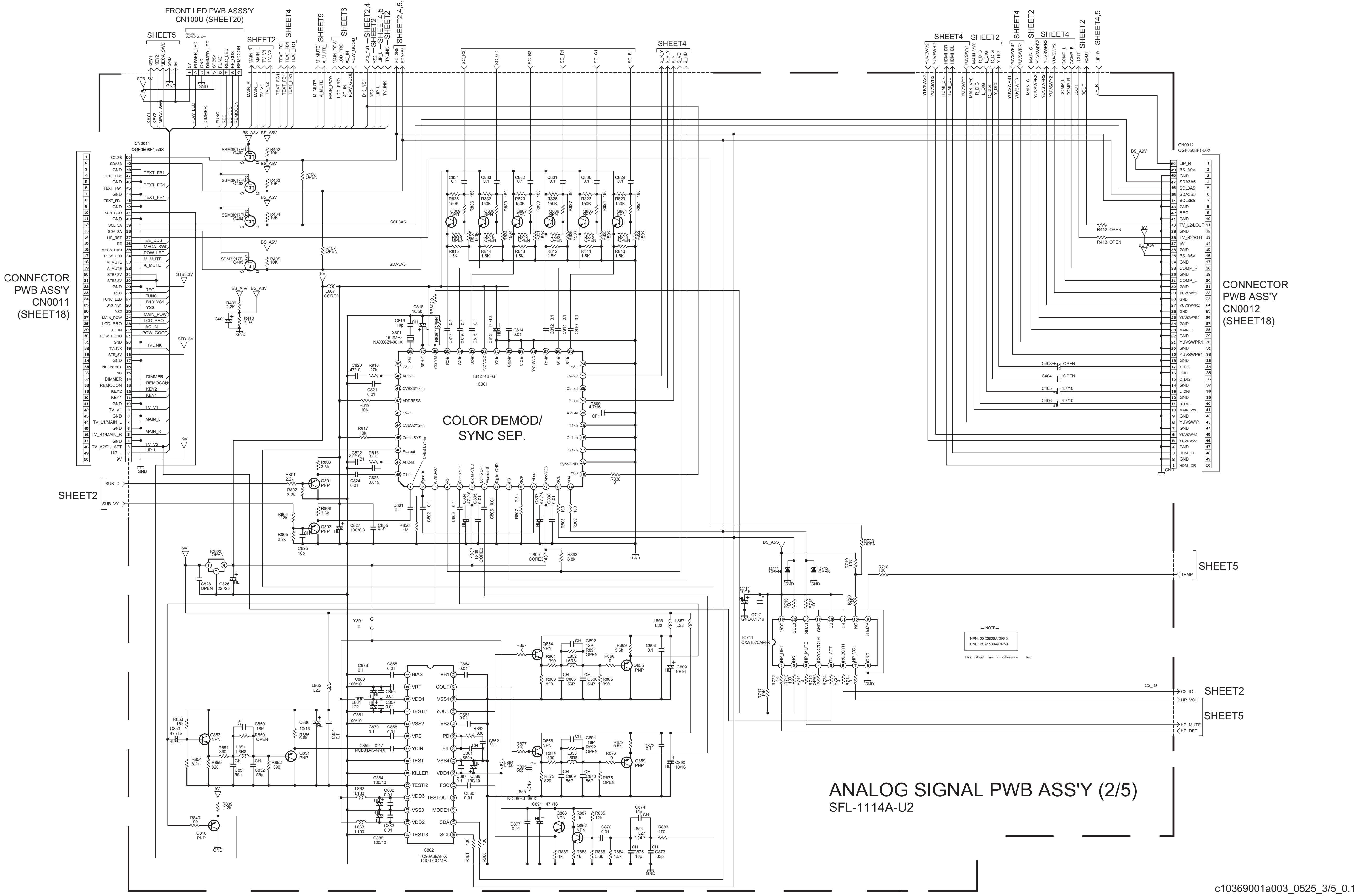
SFL-1114A-U2

DIFFERENCE LIST

	26/32DS6	26/32S60	37DS6	37S60
ASS'Y No.	LCA90494 -01*	LCA90494 -02*	LCA90494 -03*	LCA90494 -04*
	SFL-1111A	SFL-1112A	SFL-1113A	SFL-1114A
	OLLC08306	OLLC08306-02	OL-CX1481-07	OL-CX1481-06
R532	0	OPEN	0	OPEN
R587	0	OPEN	0	OPEN
R588	5.6K	OPEN	5.6K	OPEN
R589	2.2K	OPEN	2.2K	OPEN
C527	0.01/50	OPEN	0.01/50	OPEN
Q511	UN2226-X	OPEN	UN2226-X	OPEN
Q512	2SA1530A /QR/-X	OPEN	2SA1530A /QR/-X	OPEN
Q513	UMX1N-W	OPEN	UMX1N-W	OPEN
R561	1K	OPEN	1K	OPEN
R563	68	OPEN	68	OPEN
R564	150	OPEN	150	OPEN
R565	150	OPEN	150	OPEN
R566	5.6K	OPEN	5.6K	OPEN
R567	5.6K	OPEN	5.6K	OPEN
R568	3.3K	OPEN	3.3K	OPEN
R582	3.3K	OPEN	3.3K	OPEN
C561	0.1 /16	OPEN	0.1 /16	OPEN
C562	QENC1CM -476Z	OPEN	QENC1CM -476Z	OPEN
CN00UV	QGA2001C6 -12X	OPEN	QGA2001C6 -12X	OPEN
CN00UA	QGA2001C6 -03X	OPEN	QGA2001C6 -03X	OPEN
R591	75	OPEN	75	OPEN
R592	75	OPEN	75	OPEN
R593	75	OPEN	75	OPEN
R594	75	OPEN	75	OPEN
R595	75	OPEN	75	OPEN
R596	0	OPEN	0	OPEN
R597	0	OPEN	0	OPEN
C591	1/16	OPEN	1/16	OPEN
C592	1/16	OPEN	1/16	OPEN
C593	1/16	OPEN	1/16	OPEN
C594	10/16	OPEN	10/16	OPEN
C595	2.2/16	OPEN	2.2/16	OPEN
C513	1/16	OPEN	1/16	OPEN
C514	1/16	OPEN	1/16	OPEN
R2103	OPEN	75	OPEN	75
C2301	NCB11AK -106X	NCB21CK -225X	NCB11AK -106X	NCB21CK -225X

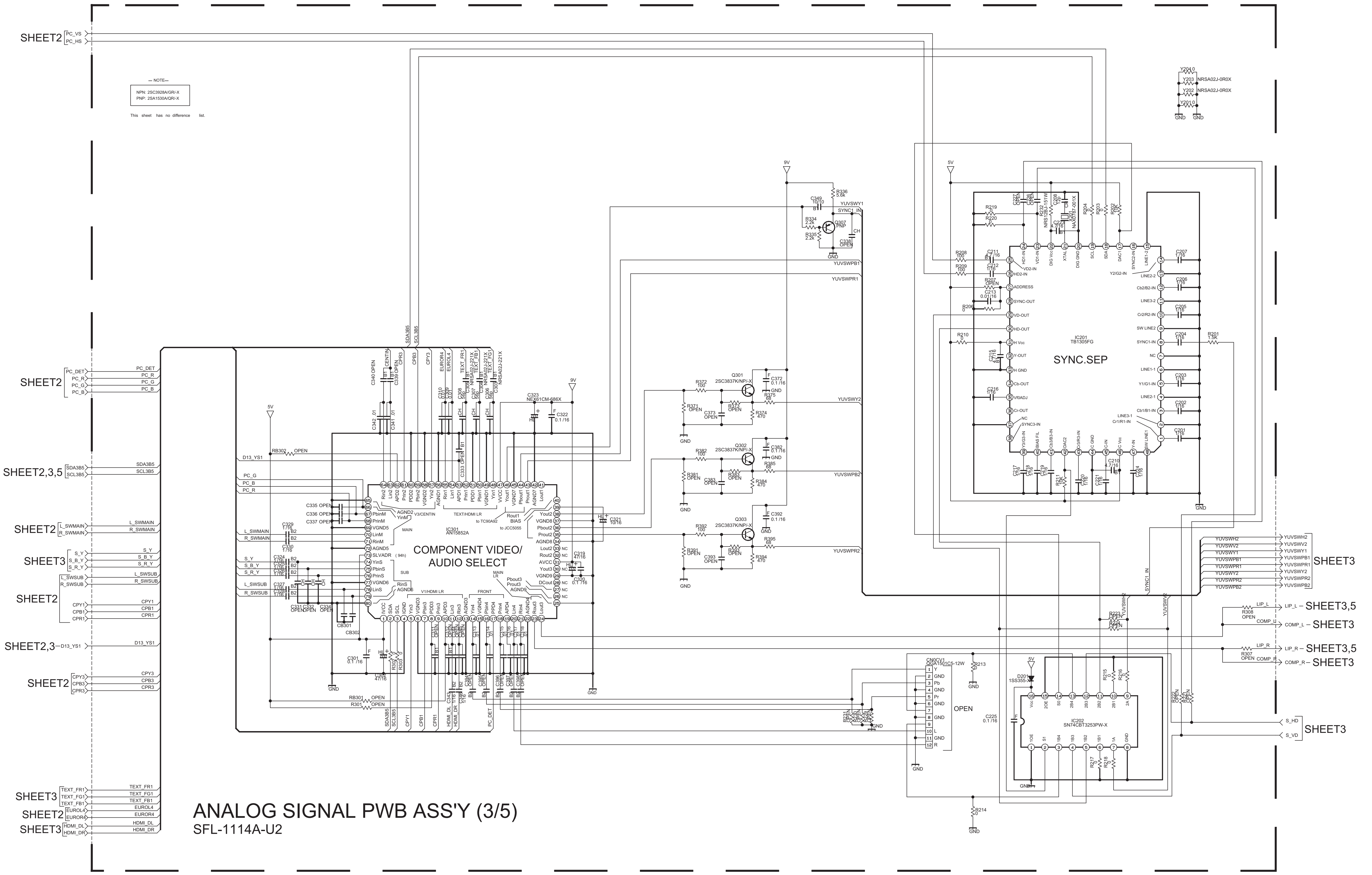
c10369001a001_0525_1/5_0.1

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET 3



FRONT LED PWB ASS'Y
CN100U (SHEET20)
SHEET5
SHEET2
SHEET4
SHEET6
CONNECTOR
PWB ASS'Y
CN0011
(SHEET18)
CN0011
QGF0508F1-50X
CN0012
QGF0508F1-50X
CONNECTOR
PWB ASS'Y
CN0012
(SHEET18)
COLOR DEMOD/
SYNC SEP.
TB1274BFG
IC801
X801
16.2MHz
NAX0621-001X
SSM3K17FU
Q402
Q403
Q404
Q405
Q801
PNP
Q802
PNP
IC803
OPEN
IC802
TC90A69AF-X
DIGI.COMB.
NCB31AK-474X
NQL904J-860X
Q853
NPN
Q851
PNP
Q810
PNP
Q854
NPN
Q855
PNP
Q858
NPN
Q859
PNP
Q863
NPN
Q862
NPN
IC711
CXA1875AM-X
SHEET5
TEMP
C2_IO
SHEET2
HP_VOL
HP_MUTE
HP_DET
SHEET5
SUB_C
SUB_VY
SHEET2
NOTE
NPN: 2SC3928A/QR/-X
PNP: 2SA1530A/QR/-X
This sheet has no difference list.
ANALOG SIGNAL PWB ASS'Y (2/5)
SFL-1114A-U2

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (3/5) SHEET 4

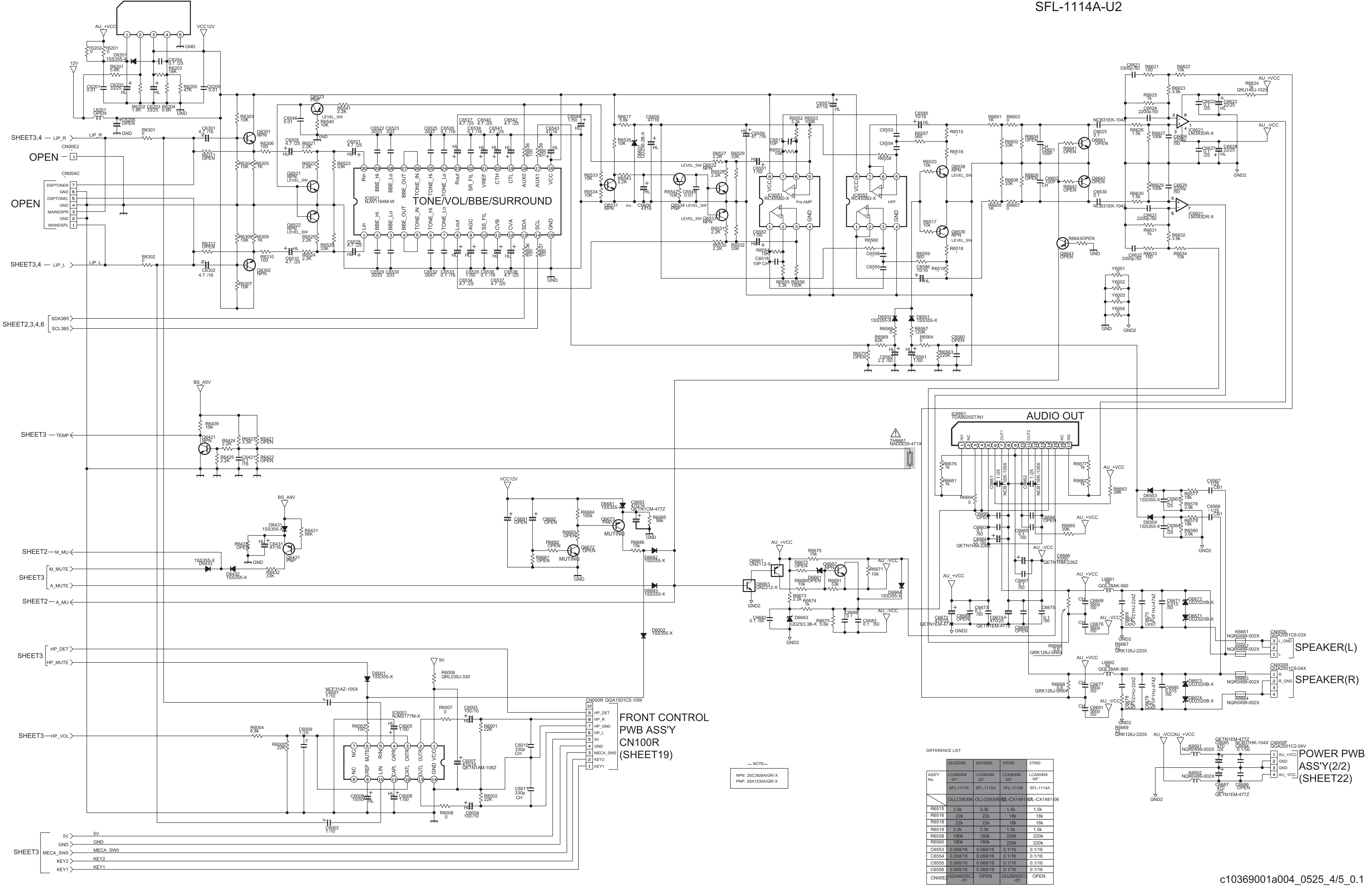


— NOTE —
NPN: 2SC3928A/GR/-X
PNP: 2SA1530A/QR/-X
This sheet has no difference list.
SHEET2 PC_VS PC_HS
SHEET2 PC_DET PC_R PC_G PC_B
SHEET2,3,5 SDA3B5 SCL3B5
SHEET2 L_SWMAIN R_SWMAIN
SHEET3 S_Y S_B_Y S_R_Y
SHEET2 L_SWSUB R_SWSUB CPY1 CPB1 CPR1
SHEET2,3 D13_YS1
SHEET2 CPY3 CPB3 CPR3
SHEET3 TEXT_FR1 TEXT_FG1 TEXT_FB1
SHEET2 EUROL4 EUROR4
SHEET3 HDMI_DL HDMI_DR
IC301
AN15852A
COMPONENT VIDEO/
AUDIO SELECT
Q301 2SC3837K/NP/-X
Q302 2SC3837K/NP/-X
Q303 2SC3837K/NP/-X
Q307 PNP
YUVSWY1
YUVSWPB1
YUVSWPR1
YUVSWY2
YUVSWPB2
YUVSWPR2
IC201
TB1305FG
SYNC.SEP
IC202
SN74CBT3253PW-X
D201 1SS355-X
CN0CY1
OPEN
YUVSWH2 YUVSWV2 YUVSWY1 YUVSWPB1 YUVSWPR1 YUVSWY2 YUVSWPB2 YUVSWPR2 SHEET3
LIP_L SHEET3,5
COMP_L SHEET3
LIP_R SHEET3,5
COMP_R SHEET3
S_HD S_VD SHEET3
Y204 Y203 NRSA02J-0R0X
Y202 NRSA02J-0R0X
Y201
9V
5V
GND
ANALOG SIGNAL PWB ASS'Y (3/5)
SFL-1114A-U2

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (4/5) SHEET 5

ANALOG SIGNAL PWB ASS'Y (4/5)

SFL-1114A-U2


IC6201 PQ20WZ11-X
AU_+VCC
VCC12V
12V
GND
SHEET3,4 — LIP_R
SHEET3,4 — LIP_L
OPEN
CN00E2
CN00AC
DSPTONER
GND
DSPTONEL
MAINDSPR
MAINDSPL
SHEET2,3,4,6
SDA3B5
SCL3B5
IC6521 NJW1164M-W
TONE/VOL/BBE/SURROUND
Rin
BBE_Hi
BBE_Lo
BBE_OUT
TONE_IN
TONE_Hi
TONE_Lo
Rout
SR_FIL
VREF
CTH
CTL
AUX0
AUX1
VCC
Lin
Lout
AGC
SS_FIL
CVB
CVA
SDA
SCL
LEVEL_SW
IC6551 RC4558D-X
Pre.AMP
IC6552 RC4558D-X
HPF
IC6621 LM393DR-X
NCB31EK-104X
Y6001
Y6002
Y6003
Y6004
GND2
BS_A5V
SHEET3 — TEMP
TH6661 NAD0035-471X
IC6661 TDA8925ST/N1
AUDIO OUT
BS_A9V
SHEET2 — M_MU
SHEET3 M_MUTE
A_MUTE
SHEET2 — A_MU
VCC12V
MUTING
QETN1CM-477Z
AU_-VCC
QETN1HM-226Z
QQL28AK-560
QRK126J-220X
CN00SL QGA2001C6-03X
L_GND
SPEAKER(L)
CN00SR QGA2001C6-04X
R_GND
SPEAKER(R)
CN00PF QGA2001C2-04V
POWER PWB ASS'Y(2/2) (SHEET22)
SHEET3 HP_DET
HP_MUTE
SHEET3 — HP_VOL
9V
IC6001 NJM2777M-X
NCF31AZ-105X
CN000R QGA1501C5-10W
HP_DET
HP_R
HP_GND
HP_L
5V
GND
MECA_SW0
KEY2
KEY1
FRONT CONTROL PWB ASS'Y CN100R (SHEET19)
SHEET3
5V
GND
MECA_SW0
KEY2
KEY1
c10369001a004_0525_4/5_0.1

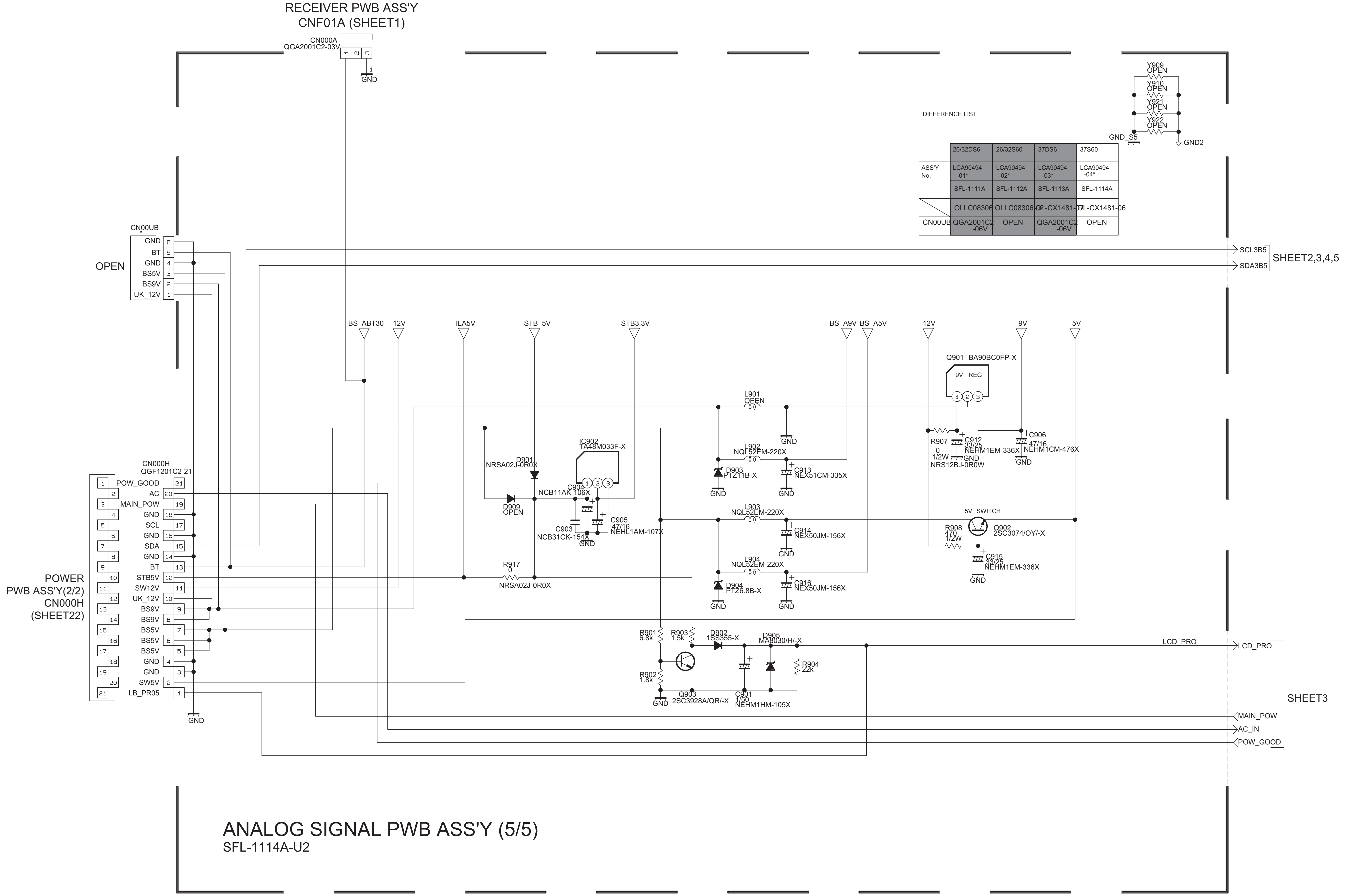
DIFFERENCE LIST

	26/32DS6	26/32S60	37DS6	37S60
ASS'Y No.	LCA90494 -01*	LCA90494 -02*	LCA90494 -03*	LCA90494 -04*
	SFL-1111A	SFL-1112A	SFL-1113A	SFL-1114A
	OLLC08306	OLLC08306-02	OL-CX1481-07	OL-CX1481-06
R6515	3.3k	3.3k	1.5k	1.5k
R6516	22k	22k	18k	18k
R6518	22k	22k	18k	18k
R6519	3.3k	3.3k	1.5k	1.5k
R6558	180k	180k	220k	220k
R6560	180k	180k	220k	220k
C6553	0.068/16	0.068/16	0.1/16	0.1/16
C6554	0.068/16	0.068/16	0.1/16	0.1/16
C6555	0.068/16	0.068/16	0.1/16	0.1/16
C6556	0.068/16	0.068/16	0.1/16	0.1/16
CN00E2	QGA8005C3 -01	OPEN	QGZ8005C3 -01	OPEN

— NOTE—

NPN: 2SC3928A/GR/-X
PNP: 2SA1530A/QR/-X

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (5/5) SHEET 6

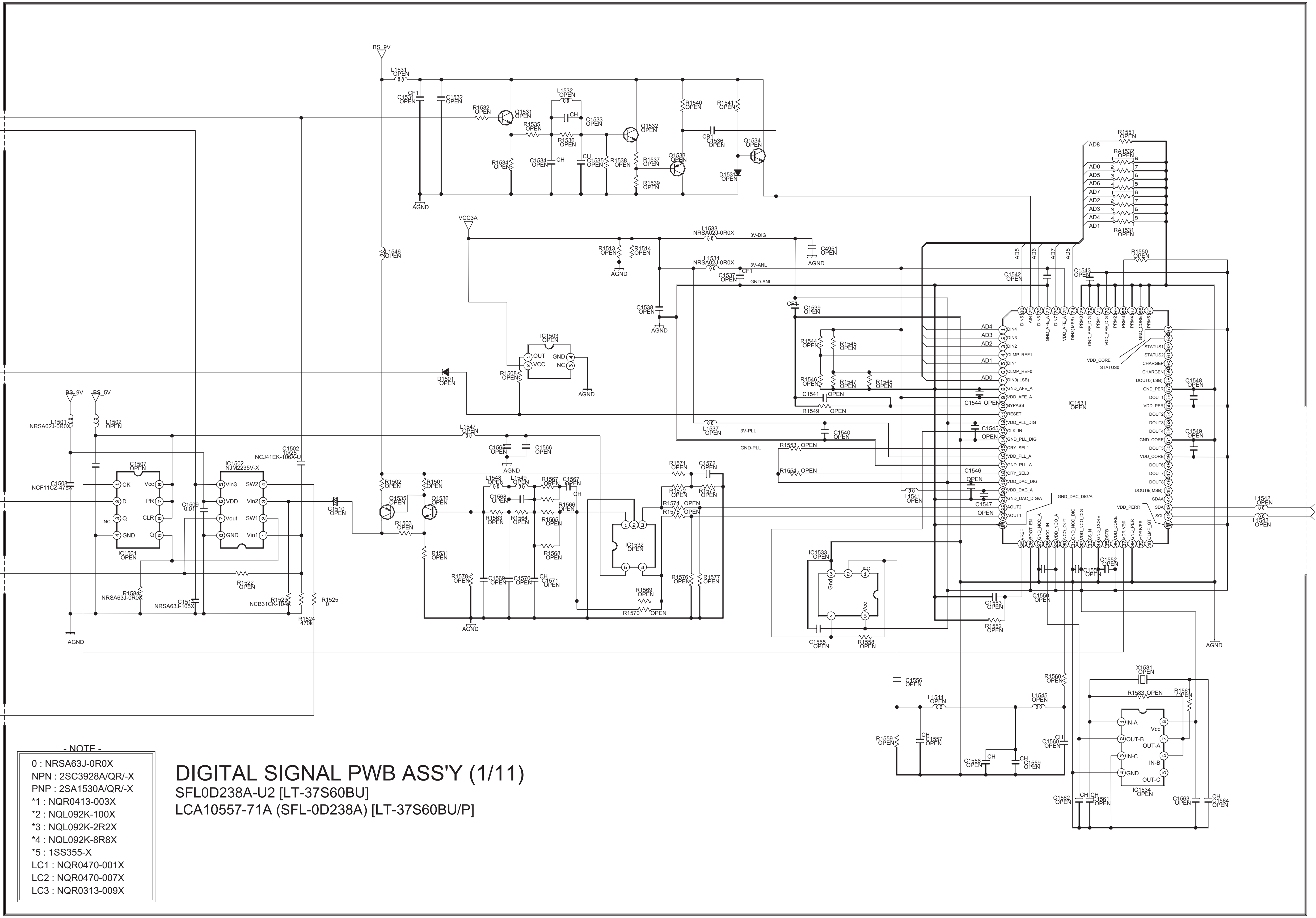

RECEIVER PWB ASS'Y
CNF01A (SHEET1)
CN000A
QGA2001C2-03V
GND
Y909
OPEN
Y910
OPEN
Y921
OPEN
Y922
OPEN
GND_S5
GND2
CN00UB
GND
BT
GND
BS5V
BS9V
UK_12V
OPEN
SCL3B5
SDA3B5
SHEET2,3,4,5
BS_ABT30
12V
ILA5V
STB_5V
STB3.3V
BS_A9V
BS_A5V
12V
9V
5V
Q901 BA90BC0FP-X
9V REG
L901
OPEN
C906
47/16
NEHM1CM-476X
R907
0
1/2W
NRS12BJ-0R0W
C912
33/25
NEHM1EM-336X
IC902
TA48M033F-X
D901
NRSA02J-0R0X
C904
NCB11AK-106X
C905
47/16
NEHL1AM-107X
C903
NCB31CK-154X
D909
OPEN
L902
NQL52EM-220X
D903
PTZ11B-X
C913
NEX51CM-335X
L903
NQL52EM-220X
C914
NEX50JM-156X
L904
NQL52EM-220X
D904
PTZ6.8B-X
C916
NEX50JM-156X
5V SWITCH
R908
470
1/2W
Q902
2SC3074/OY/-X
C915
33/25
NEHM1EM-336X
CN000H
QGF1201C2-21
POW_GOOD
AC
MAIN_POW
GND
SCL
GND
SDA
GND
BT
STB5V
SW12V
UK_12V
BS9V
BS9V
BS5V
BS5V
BS5V
GND
GND
SW5V
LB_PR05
POWER
PWB ASS'Y(2/2)
CN000H
(SHEET22)
R917
0
NRSA02J-0R0X
R901
6.8k
R902
1.8k
R903
1.5k
D902
1SS355-X
D905
MA8030/H/-X
R904
22k
Q903
2SC3928A/QR/-X
C901
1/50
NEHM1HM-105X
LCD_PRO
LCD_PRO
SHEET3
MAIN_POW
AC_IN
POW_GOOD
ANALOG SIGNAL PWB ASS'Y (5/5)
SFL-1114A-U2

DIFFERENCE LIST

	26/32DS6	26/32S60	37DS6	37S60
ASS'Y No.	LCA90494 -01*	LCA90494 -02*	LCA90494 -03*	LCA90494 -04*
	SFL-1111A	SFL-1112A	SFL-1113A	SFL-1114A
	OLLC08306	OLLC08306-02	QL-CX1481-07	QL-CX1481-06
CN00UB	QGA2001C2 -06V	OPEN	QGA2001C2 -06V	OPEN

c10369001a005_0525_5/5_0.1

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (1/11) SHEET 7


SHEET17
MAIN_VY
YUVSW_Y1
SHEET16
GR_RST
GRON
SHEET9
DEC_Y
SHEET11
MCmp/OTH
SHEET9,12,16
SDA3A
SCL3A
BS_9V
BS_5V
VCC3A
AGND
IC1501
IC1502
NJM2235V-X
IC1503
IC1531
IC1532
IC1533
IC1534
Q1531
Q1532
Q1533
Q1534
Q1535
Q1536
D1501
D1531
X1531
RA1531
RA1532
L1533
NRSA02J-0R0X
L1534
NRSA02J-0R0X
3V-DIG
3V-ANL
GND-ANL
3V-PLL
GND-PLL
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD8
OPEN

- NOTE -

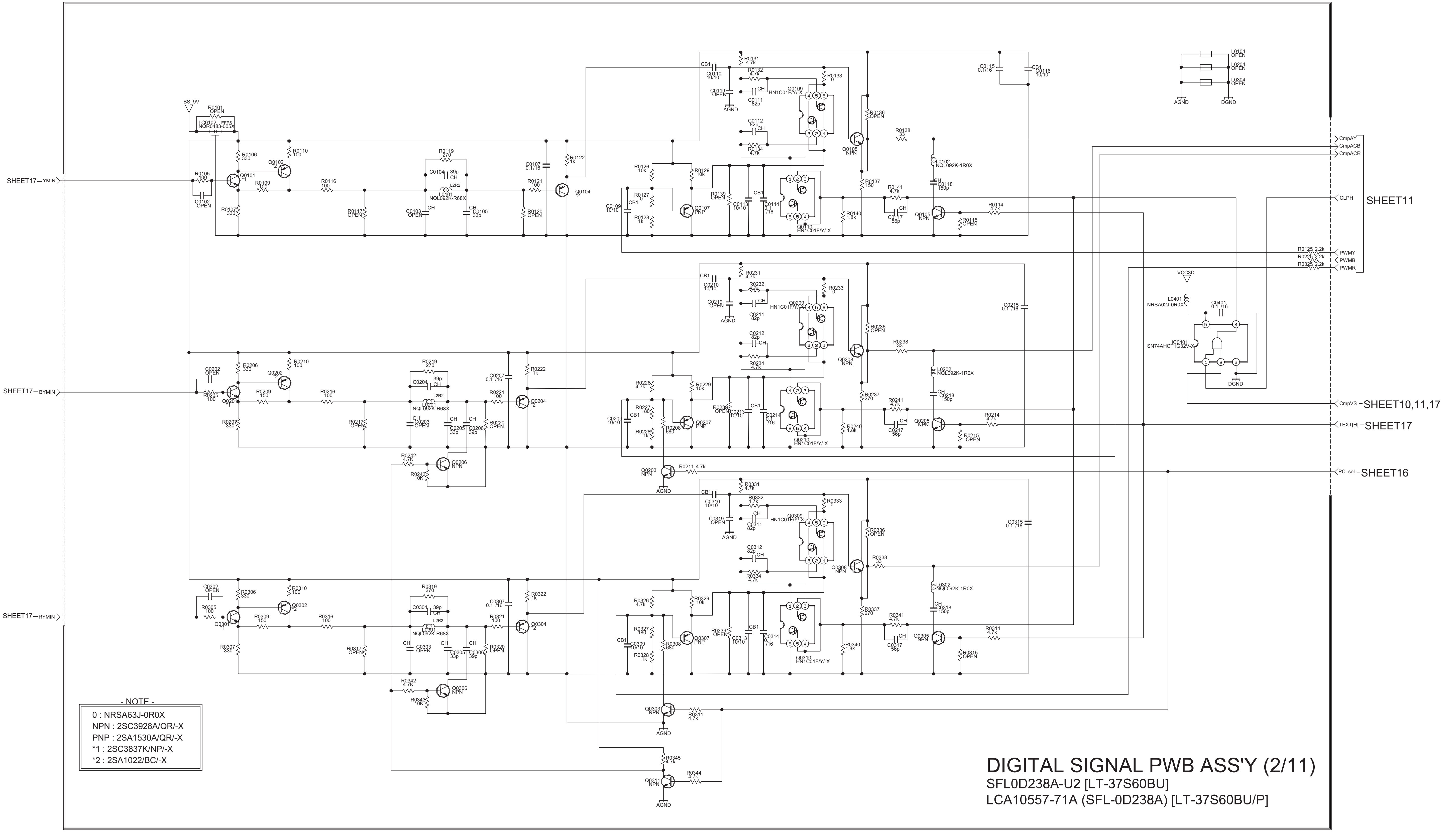
0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X
*1 : NQR0413-003X
*2 : NQL092K-100X
*3 : NQL092K-2R2X
*4 : NQL092K-8R8X
*5 : 1SS355-X
LC1 : NQR0470-001X
LC2 : NQR0470-007X
LC3 : NQR0313-009X

DIGITAL SIGNAL PWB ASS'Y (1/11)

SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

c10374001a010_0525_10/12_0.1

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (2/11) SHEET 8


SHEET17—YMIN
SHEET17—BYMIN
SHEET17—RYMIN
BS_9V
R0101 OPEN
LC0102 NQR0483-005X
Q0101 *1
Q0102 *2
Q0104 *2
Q0107 PNP
Q0108 NPN
Q0105 NPN
Q0109 HN1C01F/Y/-X
Q0110 HN1C01F/Y/-X
L0101 NQL092K-R68X
L0102 NQL092K-1R0X
Q0201 *1
Q0202 *2
Q0204 *2
Q0206 NPN
Q0207 PNP
Q0208 NPN
Q0205 NPN
Q0203 NPN
Q0209 HN1C01F/Y/-X
Q0210 HN1C01F/Y/-X
L0201 NQL092K-R68X
L0202 NQL092K-1R0X
Q0301 *1
Q0302 *2
Q0304 *2
Q0306 NPN
Q0307 PNP
Q0308 NPN
Q0305 NPN
Q0303 NPN
Q0311 NPN
Q0309 HN1C01F/Y/-X
Q0310 HN1C01F/Y/-X
L0301 NQL092K-R68X
L0302 NQL092K-1R0X
L0104 OPEN
L0204 OPEN
L0304 OPEN
AGND
DGND
VCC3D
L0401 NRSA02J-0R0X
C0401 0.1 /16
IC0401 SN74AHCT1G32V-X
R0125 2.2k
R0225 2.2k
R0325 2.2k
CmpAY
CmpACB
CmpACR
CLPH
PWMY
PWMB
PWMR
SHEET11
CmpVS
SHEET10,11,17
TEXT[H]
SHEET17
PC_sel
SHEET16

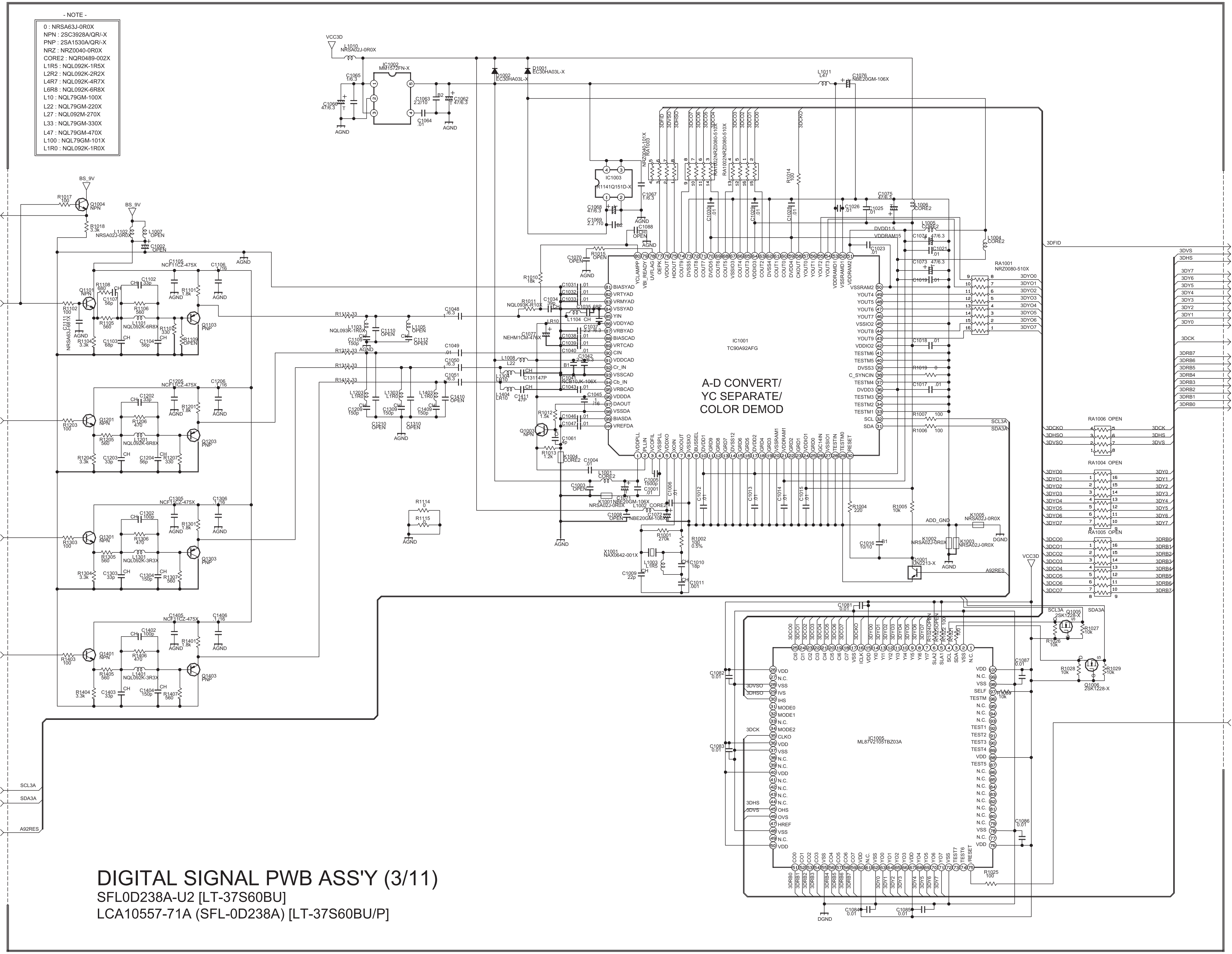
- NOTE -

0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X
*1 : 2SC3837K/NP/-X
*2 : 2SA1022/BC/-X

DIGITAL SIGNAL PWB ASS'Y (2/11)

SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (3/11) SHEET 9



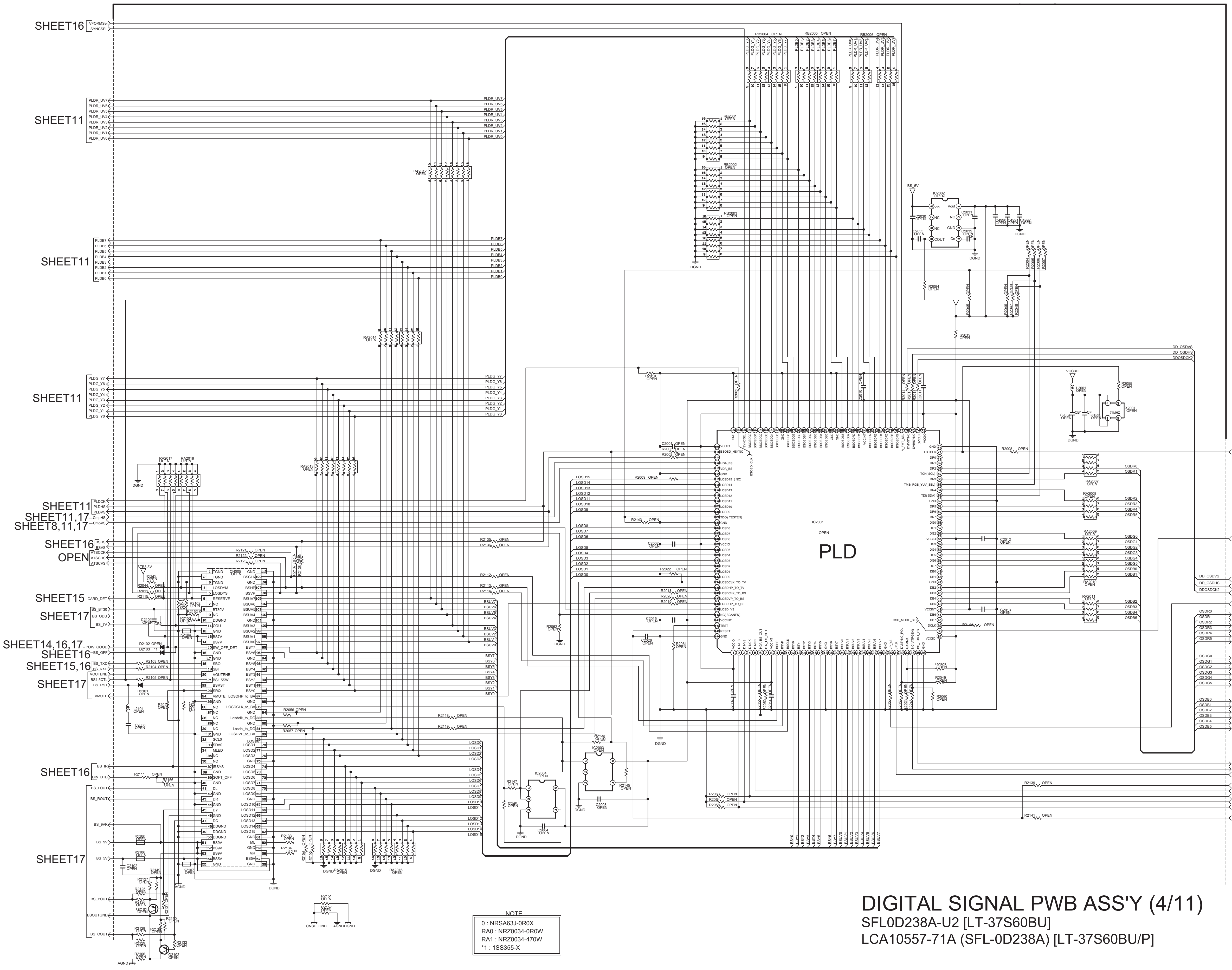
SHEET15,17
MAIN_CCD
SHEET7
DEC_Y
C_MAIN
SHEET17
DEC_RY
DEC_BY
SHEET7,12,16
SCL3A
SDA3A
SHEET16
A92RES
SHEET11
SHEET10,11,12
RST3
VCC3D
AGND
DGND
BS_9V
IC1002 MM1572FN-X
IC1003 R1141Q151D-X
IC1001 TC90A92AFG
A-D CONVERT/
YC SEPARATE/
COLOR DEMOD
IC1005 ML87V2105TBZ03A
RA1001 NRZ0080-510X
RA1004 OPEN
RA1005 OPEN
RA1006 OPEN
Q1004 NPN
Q1101 NPN
Q1103 PNP
Q1201 NPN
Q1203 PNP
Q1301 NPN
Q1303 PNP
Q1401 NPN
Q1403 PNP
Q1003 NPN
Q1005 2SK1228-X
Q1006 2SK1228-X
D1001 EC30HA03L-X
D1002 EC30HA03L-X
X1001 NAX0642-001X
3DFID
3DVS
3DHS
3DCK
3DY0
3DY1
3DY2
3DY3
3DY4
3DY5
3DY6
3DY7
3DRB0
3DRB1
3DRB2
3DRB3
3DRB4
3DRB5
3DRB6
3DRB7

- NOTE -
0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X
NRZ : NRZ0040-0R0X
CORE2 : NQR0489-002X
L1R5 : NQL092K-1R5X
L2R2 : NQL092K-2R2X
L4R7 : NQL092K-4R7X
L6R8 : NQL092K-6R8X
L10 : NQL79GM-100X
L22 : NQL79GM-220X
L27 : NQL092M-270X
L33 : NQL79GM-330X
L47 : NQL79GM-470X
L100 : NQL79GM-101X
L1R0 : NQL092K-1R0X

DIGITAL SIGNAL PWB ASS'Y (3/11)
SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

c10374001a002_0525_2/12_0.1

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (4/11) SHEET 10


SHEET16
VFORMSel
SYNCSEL
SHEET11
PLDR_UV7
PLDR_UV6
PLDR_UV5
PLDR_UV4
PLDR_UV3
PLDR_UV2
PLDR_UV1
PLDR_UV0
SHEET11
PLDB7
PLDB6
PLDB5
PLDB4
PLDB3
PLDB2
PLDB1
PLDB0
SHEET11
PLDG_Y7
PLDG_Y6
PLDG_Y5
PLDG_Y4
PLDG_Y3
PLDG_Y2
PLDG_Y1
PLDG_Y0
SHEET11
SHEET11,17
SHEET8,11,17
SHEET16
OPEN
SHEET15
SHEET17
SHEET14,16,17
SHEET16
SHEET15,16
SHEET17
SHEET16
SHEET17
RB2004 OPEN
RB2005 OPEN
RB2006 OPEN
RB2001 OPEN
RB2002 OPEN
RB2003 OPEN
IC2002 OPEN
BS_5V
DGND
IC2001
OPEN
PLD
CN2001
VCC3D
SHEET11
SHEET16
SHEET12,15,16,17
SHEET12,16
SHEET16
SHEET12
SHEET12,17
SHEET12,15,17
SHEET12
SHEET12,17
SHEET12,15,17
SHEET12
SHEET12,17
SHEET12,15,17
SHEET12,15,17
SHEET12,15
SHEET12,15
SHEET11
SHEET16
SHEET11
SHEET9,11,12
IC2003 OPEN
IC2004 OPEN
DD_OSDVS
DD_OSDHS
DDOSDCK2
CK_75M
OSD_SEL

- NOTE -

0 : NRSA63J-0R0X
RA0 : NRZ0034-0R0W
RA1 : NRZ0034-470W
*1 : 1SS355-X

DIGITAL SIGNAL PWB ASS'Y (4/11)

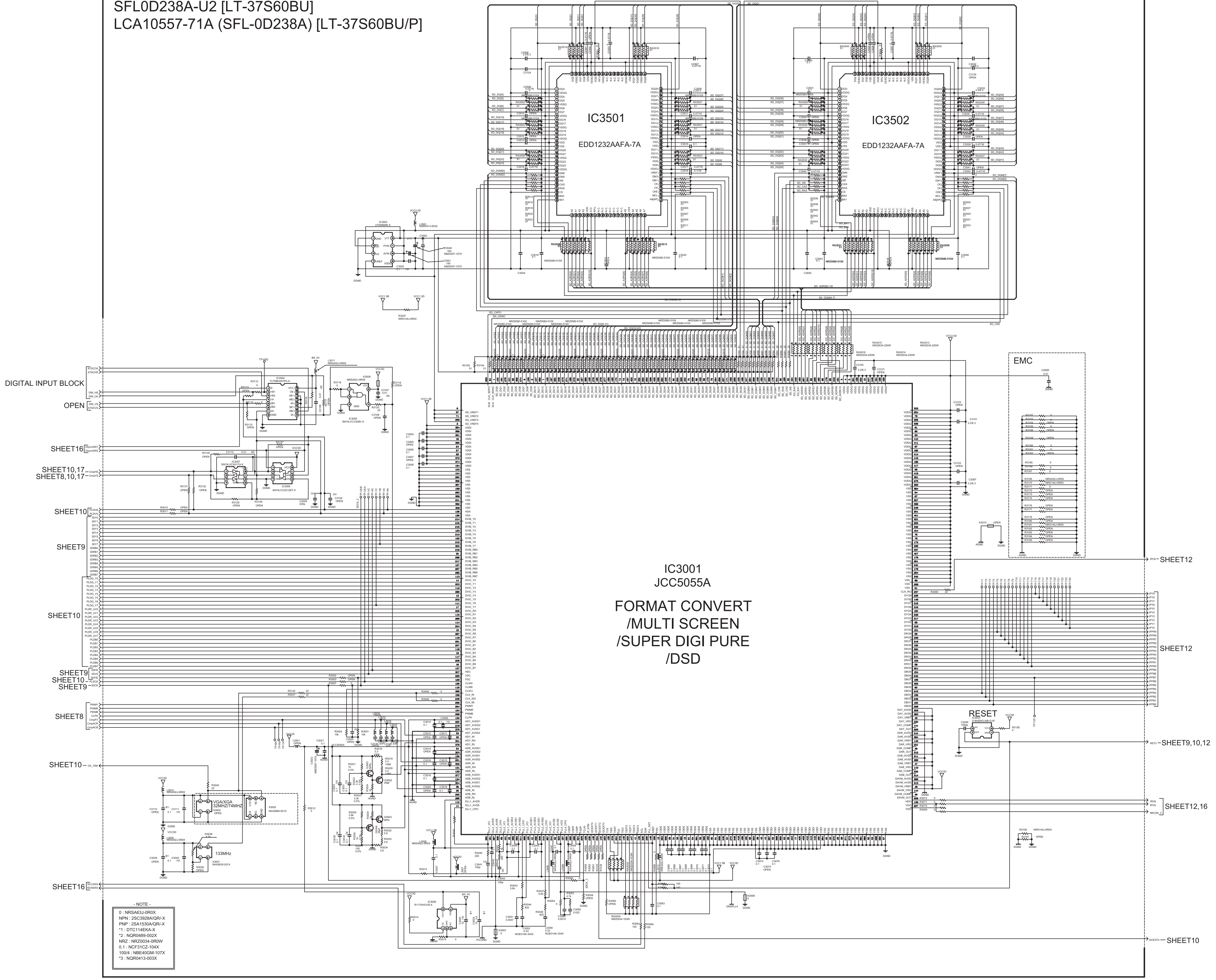
SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

c10374001a009_0525_9/12_0.1

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (5/11) SHEET 11

DIGITAL SIGNAL PWB ASS'Y (5/11)

SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

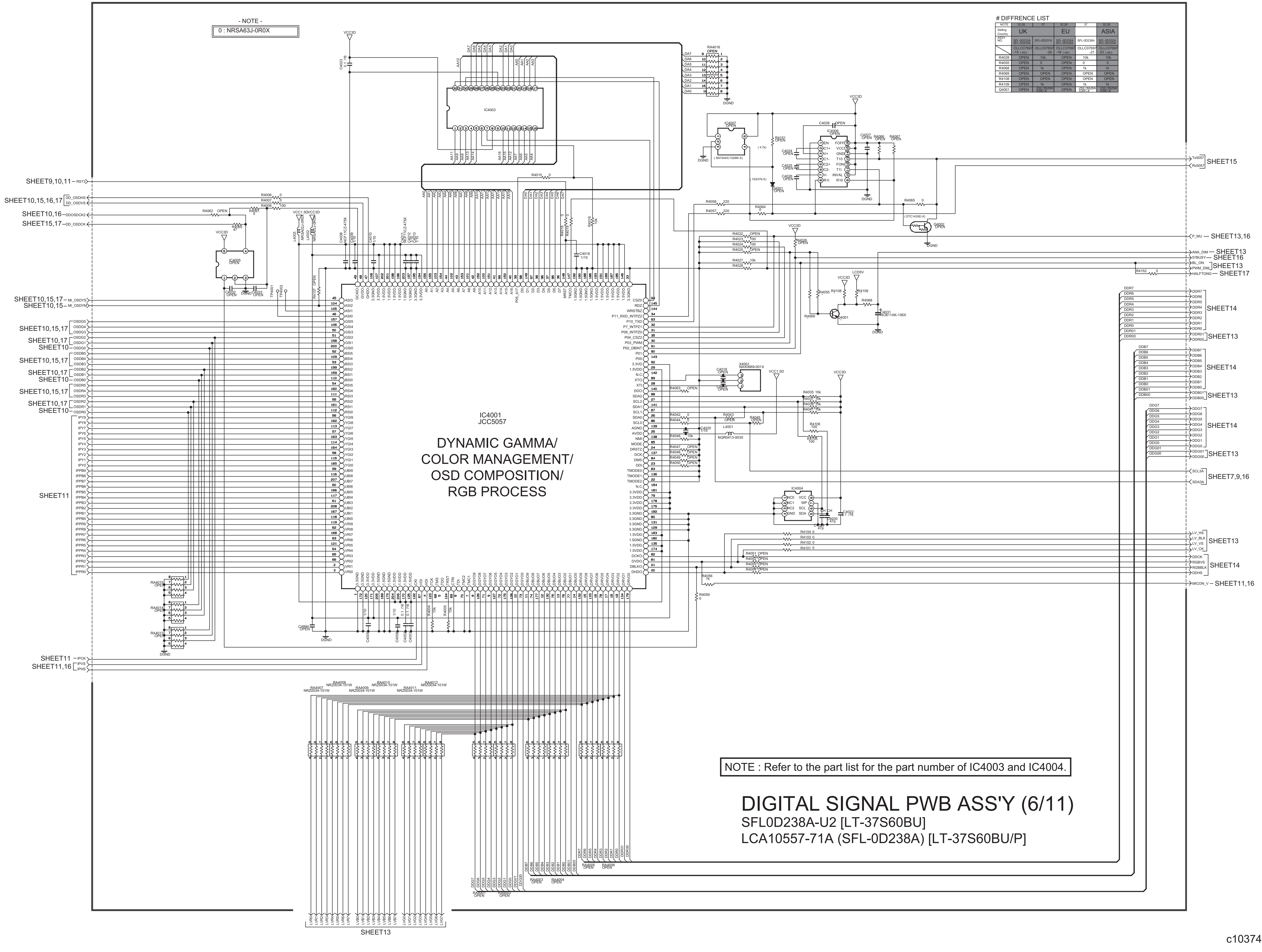

IC3501
EDD1232AAFA-7A
IC3502
EDD1232AAFA-7A
IC3001
JCC5055A
FORMAT CONVERT
/MULTI SCREEN
/SUPER DIGI PURE
/DSD
EMC
RESET
DIGITAL INPUT BLOCK
OPEN
SHEET16
SHEET10,17
SHEET8,10,17
SHEET10
SHEET9
SHEET10
SHEET9
SHEET10
SHEET9
SHEET8
SHEET10
SHEET16
SCL5055
SDA5055
SHEET12
SHEET12
SHEET9,10,12
SHEET12,16
SHEET10
VGA/XGA
32MHZ/74MHZ
133MHz

- NOTE -

0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X
*1 : DTC114EKA-X
*2 : NQR0489-002X
NRZ : NRZ0034-0R0W
0.1 : NCF31CZ-104X
100/4 : NBE40GM-107X
*3 : NQR0413-003X

c10374001a003_0525_3/12_0.1

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (6/11) SHEET 12


- NOTE -
0 : NRSA63J-0R0X
IC4003
IC4001
JCC5057
DYNAMIC GAMMA/
COLOR MANAGEMENT/
OSD COMPOSITION/
RGB PROCESS
IC4004
IC4007
IC4006
Q4001
Q4002
X4001
L4001
VCC3D
DGND
SHEET9,10,11
SHEET10,15,16,17
SHEET10,16
SHEET15,17
SHEET10,15,17
SHEET10,15
SHEET10,17
SHEET10
SHEET11
SHEET11,16
SHEET15
SHEET13,16
SHEET13
SHEET16
SHEET17
SHEET14
SHEET7,9,16
SHEET11,16
SHEET13

DIFFRENCE LIST

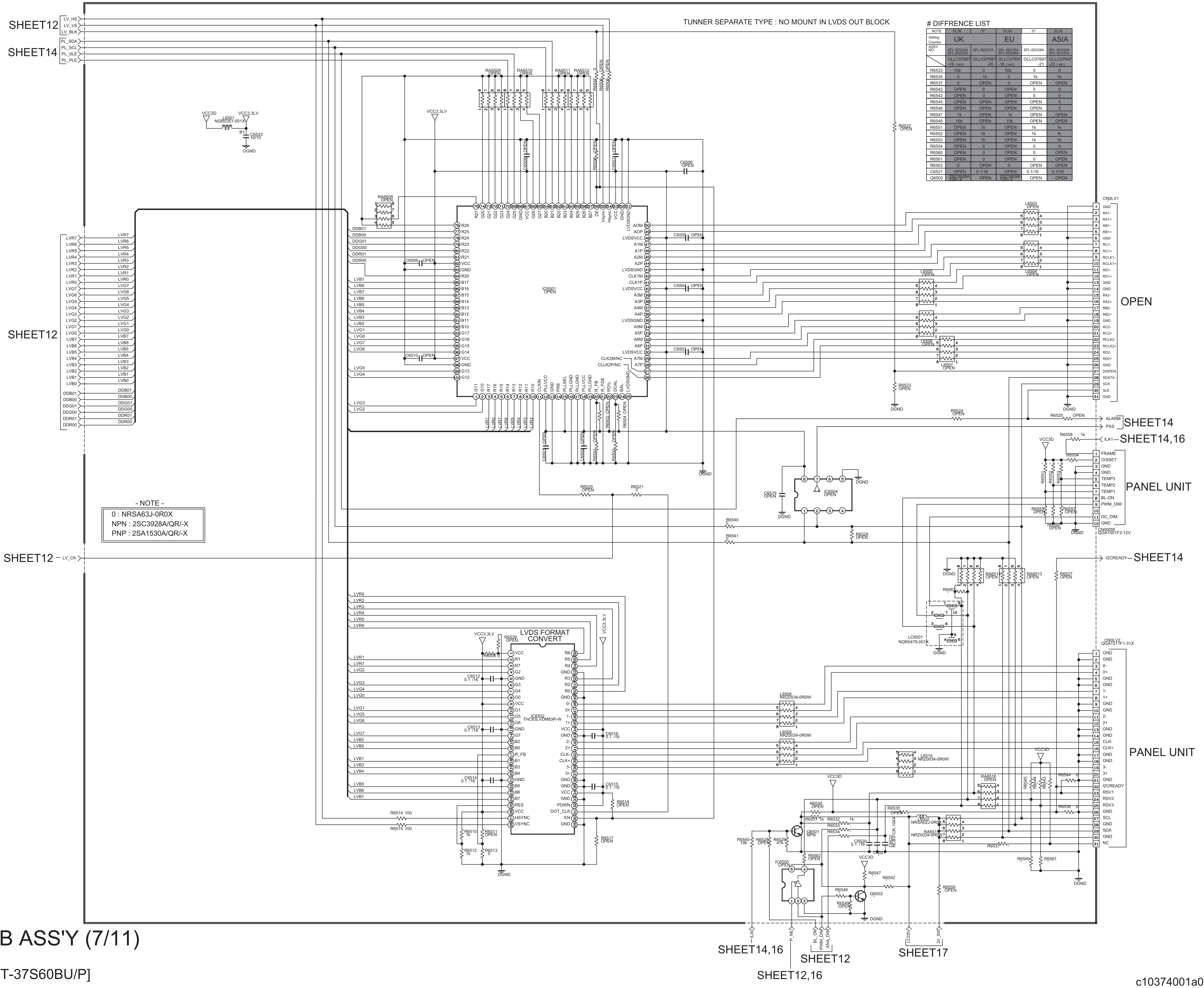
NOTE	32,26	37	32,26	37	32,26
Selling Country	UK		EU		ASIA
ASSY NO.	SFL-0D232A SFL-0D233A	SFL-0D237A	SFL-0D235A SFL-0D236A	SFL-0D238A	SFL-0D332A SFL-0D333A
	OLLC07697 -15 (etc)	OLLC07697 -20	OLLC07697 -18 (etc)	OLLC07697 -21	OLLC07697 -23 (etc)
R4028	OPEN	10k	OPEN	10k	10k
R4055	OPEN	0	OPEN	0	0
R4068	OPEN	1k	OPEN	1k	1k
R4069	OPEN	OPEN	OPEN	OPEN	OPEN
R4108	OPEN	OPEN	OPEN	OPEN	OPEN
R4109	OPEN	1k	OPEN	1k	1k
Q4001	OPEN	2SC3928A /QR/-X	OPEN	2SC3928A /QR/-X	2SC3928A /QR/-X

NOTE : Refer to the part list for the part number of IC4003 and IC4004.

DIGITAL SIGNAL PWB ASS'Y (6/11)

SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

c10374001a004_0525_4/12_0.1


SHEET12
LV_HS
LV_VS
LV_BLK
SHEET14
PL_SDA
PL_SCL
PL_SLE
PL_PLE
TUNNER SEPARATE TYPE : NO MOUNT IN LVDS OUT BLOCK
IC6501
OPEN
SHEET12
OPEN
CN0LV1
SHEET14
ALARM
PSS
SHEET14,16
ILA1
PANEL UNIT
IC6504
OPEN
SHEET12
LV_CK
I2CREADY
SHEET14
LVDS FORMAT
CONVERT
IC6502
THC63LVDM83R-W
LC6501
NQR0479-001X
CN0LV2
QGA1211F1-31X
PANEL UNIT
Q6501
Q6502
IC6505
SHEET14,16
SHEET12
SHEET17
SHEET12,16

# DIFFRENCE LIST

NOTE	32,26	37	32,26	37	32,26
Selling Country	UK		EU		ASIA
ASSY NO.	SFL-0D232A SFL-0D233A	SFL-0D237A	SFL-0D235A SFL-0D236A	SFL-0D238A	SFL-0D332A SFL-0D333A
	OLLC07697 -15 (etc)	OLLC07697 -20	OLLC07697 -18 (etc)	OLLC07697 -21	OLLC07697 -23 (etc)
R6533	10k	0	10k	0	0
R6534	0	1k	0	1k	1k
R6537	0	OPEN	0	OPEN	OPEN
R6542	OPEN	0	OPEN	0	0
R6543	OPEN	0	OPEN	0	0
R6545	OPEN	OPEN	OPEN	OPEN	0
R6546	OPEN	OPEN	OPEN	OPEN	0
R6547	1k	OPEN	1k	OPEN	OPEN
R6548	10k	OPEN	10k	OPEN	OPEN
R6551	OPEN	1k	OPEN	1k	1k
R6552	OPEN	1k	OPEN	1k	1k
R6553	OPEN	1k	OPEN	1k	1k
R6554	OPEN	0	OPEN	0	0
R6560	OPEN	0	OPEN	0	OPEN
R6561	OPEN	0	OPEN	0	OPEN
R6563	0	OPEN	0	OPEN	OPEN
C6521	OPEN	0.1/16	OPEN	0.1/16	0.1/16
Q6502	2SC3928A /QR/-X	OPEN	2SC3928A /QR/-X	OPEN	OPEN

- NOTE -

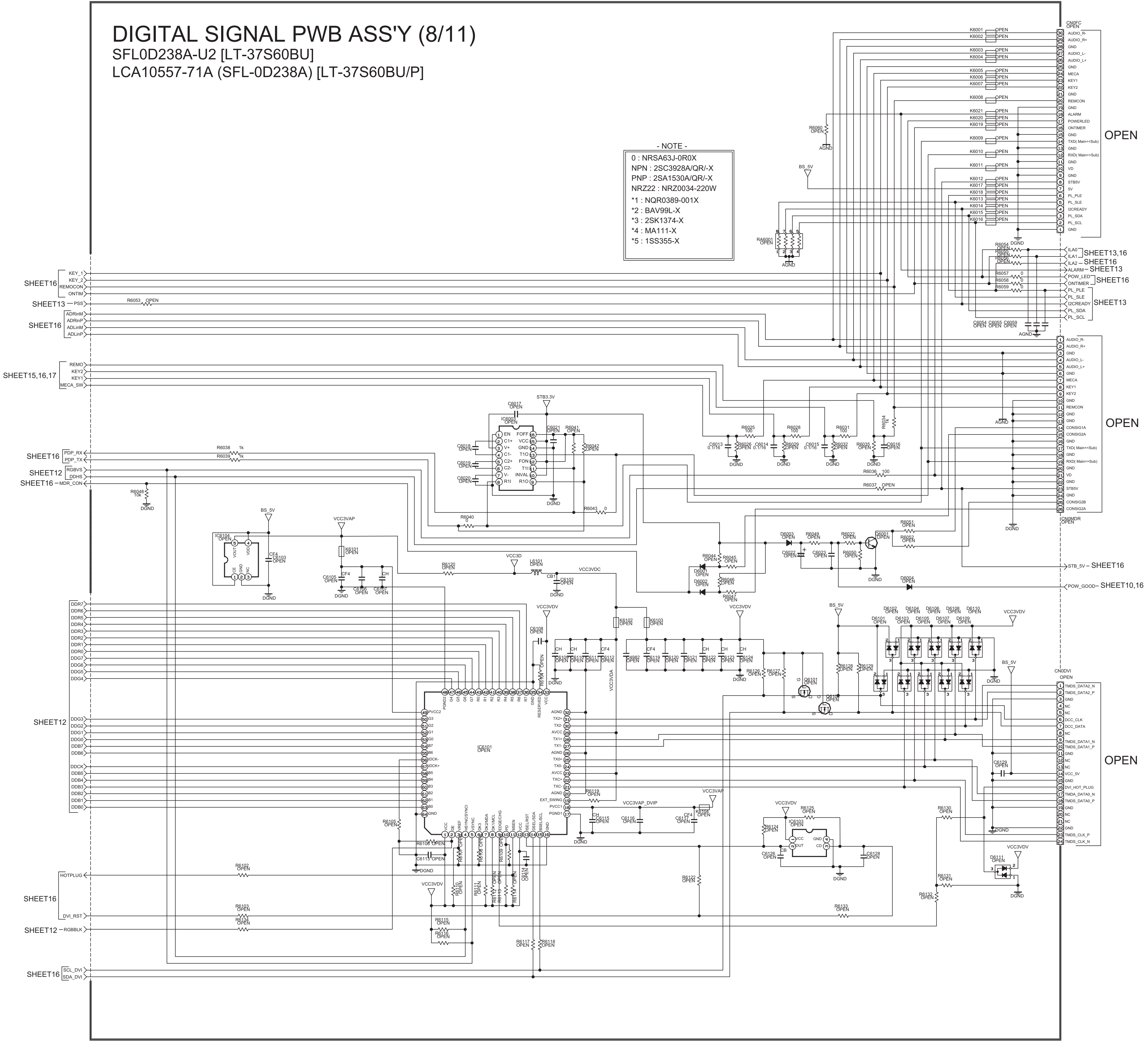
0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X

DIGITAL SIGNAL PWB ASS'Y (7/11)

SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

c10374001a007_0525_7/12_0.1

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (8/11) SHEET 14



DIGITAL SIGNAL PWB ASS'Y (8/11)

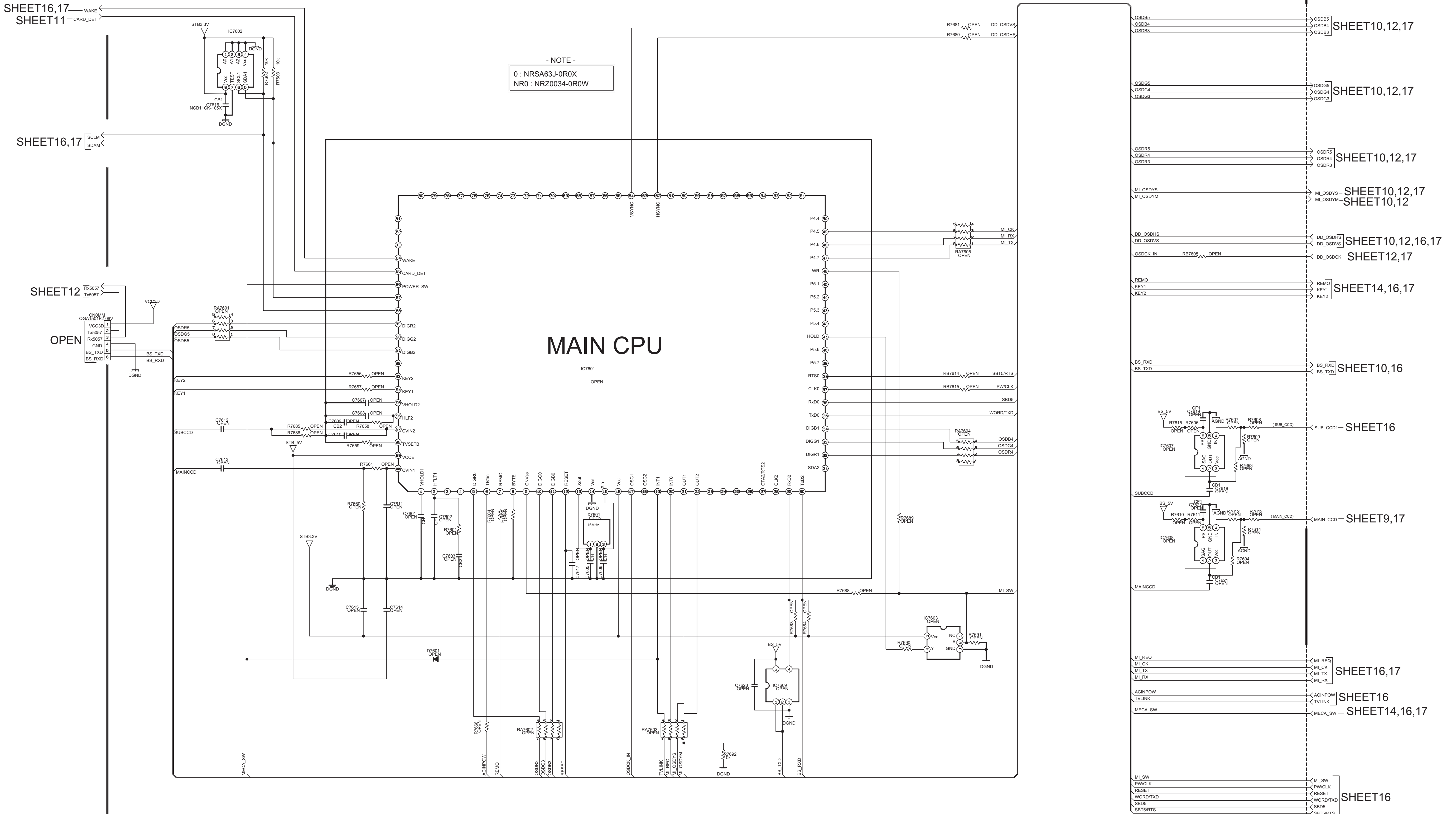
SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

- NOTE -

0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X
NRZ22 : NRZ0034-220W
*1 : NQR0389-001X
*2 : BAV99L-X
*3 : 2SK1374-X
*4 : MA111-X
*5 : 1SS355-X

SHEET16
KEY_1
KEY_2
REMOCON
ONTIM
SHEET13
PSS
R6053 OPEN
SHEET16
ADRinM
ADRinP
ADLinM
ADLinP
SHEET15,16,17
REMO
KEY2
KEY1
MECA_SW
SHEET16
PDP_RX
PDP_TX
SHEET12
RGBVS
DDHS
SHEET16
MDR_CON
IC6001 OPEN
STB3.3V
BS_5V
VCC3VAP
VCC3D
VCC3VDC
VCC3VDV
IC6104 OPEN
IC6101 OPEN
IC6103 OPEN
SHEET12
DDR7
DDR6
DDR5
DDR4
DDR3
DDR2
DDR1
DDR0
DDG7
DDG6
DDG5
DDG4
DDG3
DDG2
DDG1
DDG0
DDB7
DDB6
DDCK
DDB5
DDB4
DDB3
DDB2
DDB1
DDB0
SHEET16
HOTPLUG
DVI_RST
SHEET12
RGBBLK
SHEET16
SCL_DVI
SDA_DVI
VCC3VAP_DVIP
CN0FC OPEN
AUDIO_R-
AUDIO_R+
GND
AUDIO_L-
AUDIO_L+
MECA
KEY1
KEY2
REMCON
ALARM
POWERLED
ONTIMER
TXD(Main<<Sub)
RXD(Main>>Sub)
V0
STB5V
5V
PL_PLE
PL_SLE
I2CREADY
PL_SDA
PL_SCL
OPEN
ILA0
ILA1
ILA2
SHEET13,16
SHEET16
ALARM
SHEET13
POW_LED
ONTIMER
SHEET16
PL_PLE
PL_SLE
I2CREADY
PL_SDA
PL_SCL
SHEET13
AGND
CN0MDR OPEN
CONSIG1A
CONSIG2A
CONSIG2B
OPEN
STB_5V
SHEET16
POW_GOOD
SHEET10,16
CN0DVI OPEN
TMDS_DATA2_N
TMDS_DATA2_P
NC
DCC_CLK
DCC_DATA
TMDS_DATA1_N
TMDS_DATA1_P
VCC_5V
DVI_HOT_PLUG
TMDA_DATA0_N
TMDS_DATA0_P
TMDS_CLK_P
TMDS_CLK_N
OPEN
DGND

NOTE : Refer to the part list for the part number of IC7602.


SHEET16,17 WAKE
SHEET11 CARD_DET
STB3.3V
IC7602
SHEET16,17 SCLM SDAM
- NOTE -
0 : NRSA63J-0R0X
NR0 : NRZ0034-0R0W
MAIN CPU
IC7601
OPEN
SHEET12 Rx5057 Tx5057
OPEN
CN0MM
VCC3D
DGND
SHEET10,12,17 OSDB5 OSDB4 OSDB3
SHEET10,12,17 OSDG5 OSDG4 OSDG3
SHEET10,12,17 OSDR5 OSDR4 OSDR3
SHEET10,12,17 MI_OSDYS
SHEET10,12 MI_OSDYM
SHEET10,12,16,17 DD_OSDHS DD_OSDVS
SHEET12,17 DD_OSDCK
SHEET14,16,17 REMO KEY1 KEY2
SHEET10,16 BS_RXD BS_TXD
SHEET16 SUB_CCD1
SHEET9,17 MAIN_CCD
SHEET16,17 MI_REQ MI_CK MI_TX MI_RX
SHEET16 ACINPOW TVLINK
SHEET14,16,17 MECA_SW
SHEET16 MI_SW PW/CLK RESET WORD/TXD SBD5 SBT5/RTS
X7601 16MHz
IC7603
IC7609
IC7607
IC7608
D7601

DIGITAL SIGNAL PWB ASS'Y (9/11)

SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

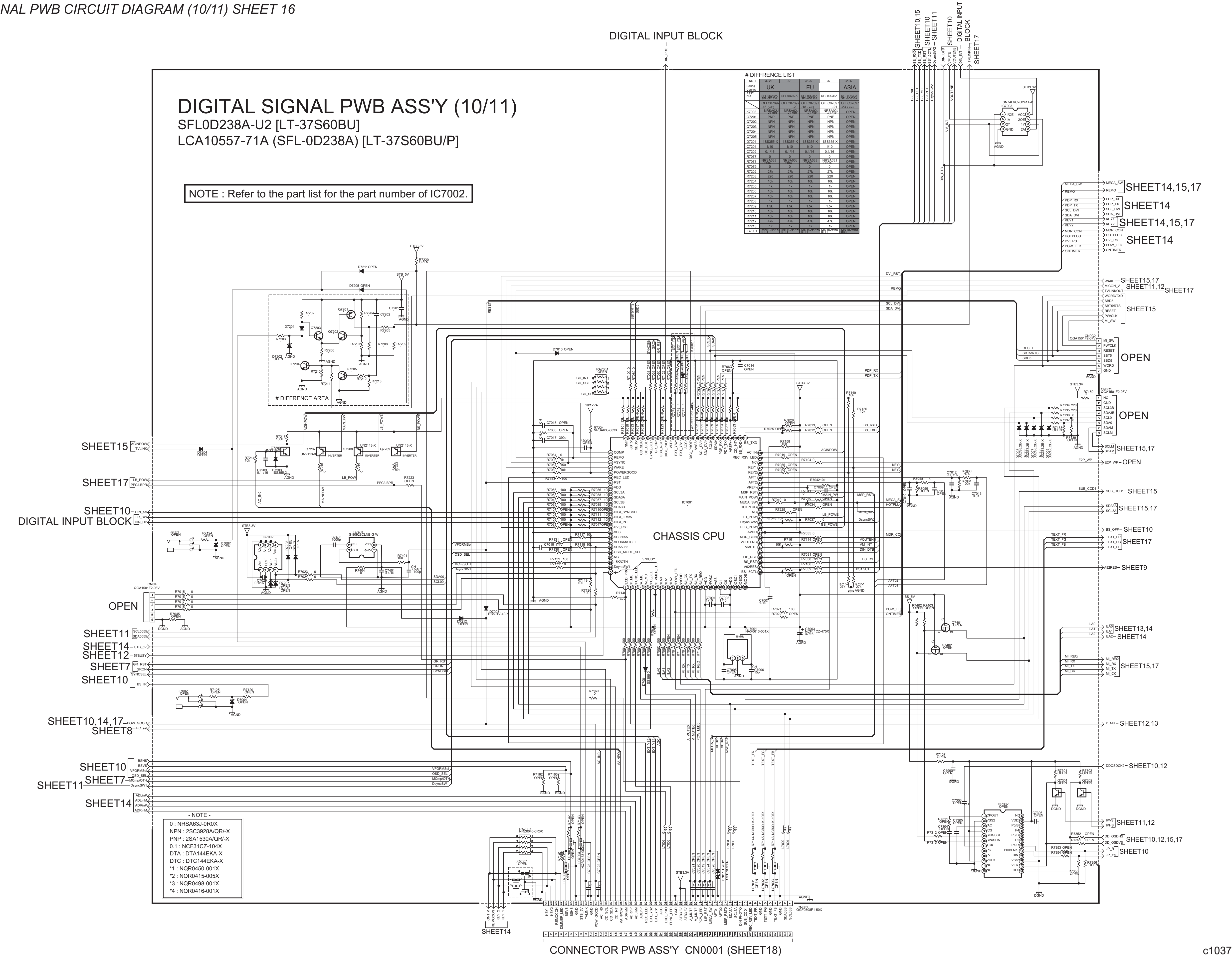
c10374001a005_0525_5/12_0.1

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (10/11) SHEET 16

DIGITAL SIGNAL PWB ASS'Y (10/11)

SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

NOTE : Refer to the part list for the part number of IC7002.


DIGITAL INPUT BLOCK
SHEET10,15
SHEET10
SHEET11
SHEET10
DIGITAL INPUT BLOCK
SHEET17
SHEET14,15,17
SHEET14
SHEET14,15,17
SHEET14
SHEET15,17
SHEET11,12
SHEET17
SHEET15
OPEN
OPEN
SHEET15,17
OPEN
SHEET15
SHEET15,17
SHEET10
SHEET17
SHEET9
SHEET13,14
SHEET14
SHEET15,17
SHEET12,13
SHEET10,12
SHEET11,12
SHEET10,12,15,17
SHEET10
# DIFFRENCE AREA
CHASSIS CPU
IC7001
SHEET15
SHEET17
SHEET10
DIGITAL INPUT BLOCK
OPEN
SHEET11
SHEET14
SHEET12
SHEET7
SHEET10
SHEET10,14,17
SHEET8
SHEET10
SHEET7
SHEET11
SHEET14
SHEET14
CONNECTOR PWB ASS'Y CN0001 (SHEET18)

# DIFFRENCE LIST

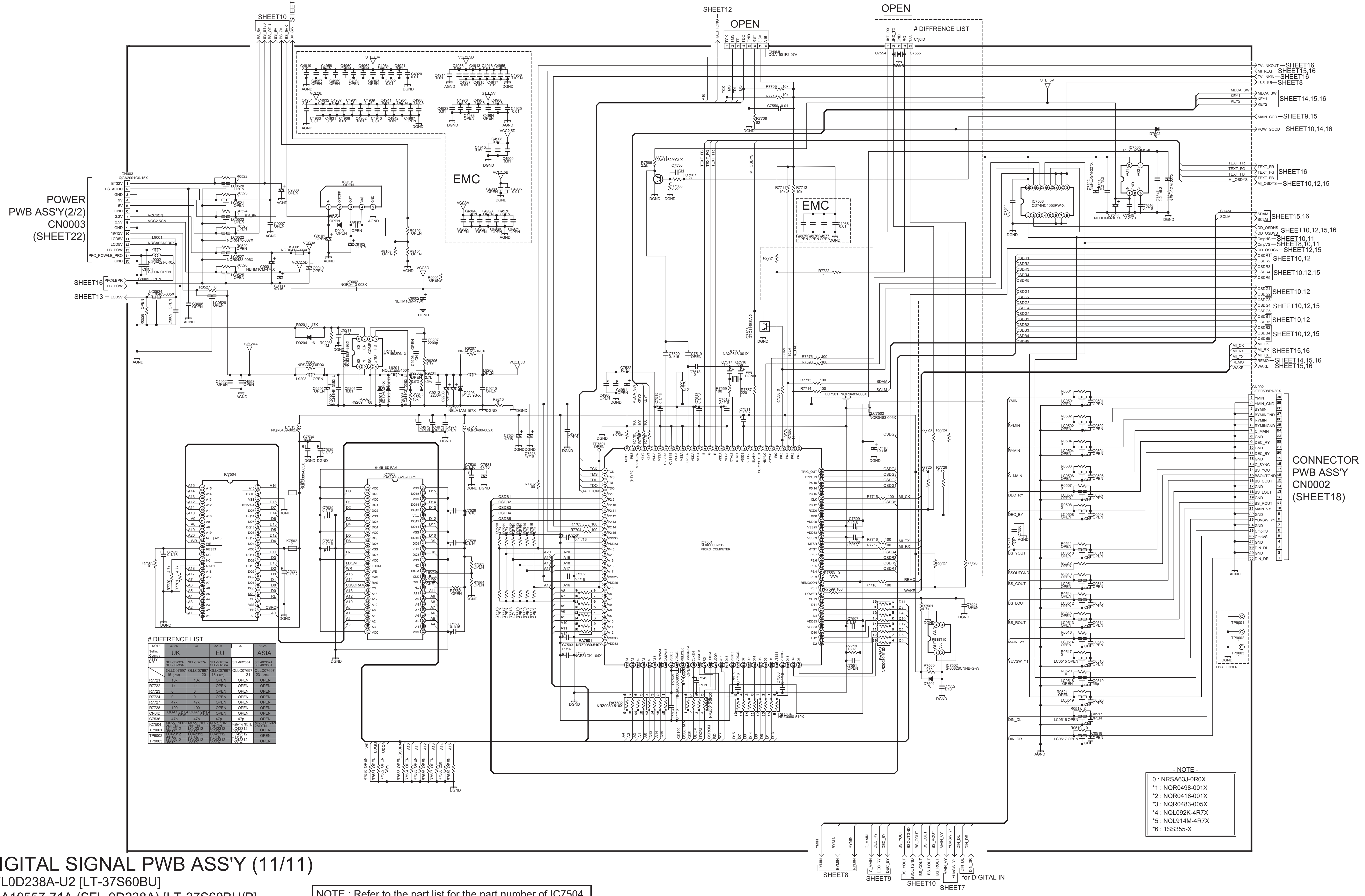
NOTE	32,26	37	32,26	37	32,26
Selling Country	UK		EU		ASIA
ASSY NO.	SFL-0D232A SFL-0D233A	SFL-0D237A	SFL-0D235A SFL-0D236A	SFL-0D238A	SFL-0D332A SFL-0D333A
	OLLC07697 -15 (etc)	OLLC07697 -20	OLLC07697 -18 (etc)	OLLC07697 -21	OLLC07697 -23 (etc)
K7002	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X	OPEN
Q7201	PNP	PNP	PNP	PNP	OPEN
Q7202	NPN	NPN	NPN	NPN	OPEN
Q7203	NPN	NPN	NPN	NPN	OPEN
Q7204	NPN	NPN	NPN	NPN	OPEN
Q7205	NPN	NPN	NPN	NPN	OPEN
D7201	1SS355-X	1SS355-X	1SS355-X	1SS355-X	OPEN
C7201	1/10	1/10	1/10	1/10	OPEN
C7202	0.1/16	0.1/16	0.1/16	0.1/16	OPEN
R7077	0	0	0	0	OPEN
R7078	NRSA63J -0R0X	NRSA63J -0R0X	NRSA63J -0R0X	NRSA63J -0R0X	OPEN
R7079	0	0	0	0	OPEN
R7202	27k	27k	27k	27k	OPEN
R7203	220	220	220	220	OPEN
R7204	10k	10k	10k	10k	OPEN
R7205	1k	1k	1k	1k	OPEN
R7206	10k	10k	10k	10k	OPEN
R7207	10k	10k	10k	10k	OPEN
R7208	1k	1k	1k	1k	OPEN
R7209	1.5k	1.5k	1.5k	1.5k	OPEN
R7210	10k	10k	10k	10k	OPEN
R7211	10k	10k	10k	10k	OPEN
R7212	47k	47k	47k	47k	OPEN
R7213	1k	1k	1k	1k	OPEN
IC7001	MN102HF60 KLH	MN102HF60 KLH	MN102HF60 KLH	MN102H60 KLH	MN102H60 KKK

- NOTE -

0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X
0.1 : NCF31CZ-104X
DTA : DTA144EKA-X
DTC : DTC144EKA-X
*1 : NQR0450-001X
*2 : NQR0415-005X
*3 : NQR0498-001X
*4 : NQR0416-001X

c10374001a011_0525_11/12_0.1

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (11/11) SHEET 17


SHEET10
SHEET13
SHEET12
OPEN
OPEN
# DIFFRENCE LIST
EMC
EMC
POWER
PWB ASS'Y(2/2)
CN0003
(SHEET22)
SHEET16
SHEET13
IC7504
IC7503
64MB_SD-RAM
IC7501
MICRO_COMPUTER
IC7506
CD74HC4053PW-X
IC7505
IC9101
IC9201
SHEET16
SHEET15,16
SHEET16
SHEET8
SHEET14,15,16
SHEET9,15
SHEET10,14,16
SHEET16
SHEET10,12,15
SHEET15,16
SHEET10,12,15,16
SHEET10,11
SHEET8,10,11
SHEET12,15
SHEET10,12
SHEET10,12,15
SHEET10,12
SHEET10,12,15
SHEET10,12
SHEET10,12,15
SHEET15,16
SHEET14,15,16
SHEET15,16
CONNECTOR
PWB ASS'Y
CN0002
(SHEET18)
EDGE FINGER
SHEET8
SHEET9
SHEET10
SHEET7
for DIGITAL IN

# DIFFRENCE LIST

NOTE	32,26	37	32,26	37	32,26
Selling Country	UK		EU		ASIA
ASSY NO.	SFL-0D232A SFL-0D233A	SFL-0D237A	SFL-0D235A SFL-0D236A	SFL-0D238A	SFL-0D332A SFL-0D333A
	OLLC07697 -15 (etc)	OLLC07697 -20	OLLC07697 -18 (etc)	OLLC07697 -21	OLLC07697 -23 (etc)
R7721	10k	10k	OPEN	OPEN	OPEN
R7722	1k	1k	OPEN	OPEN	OPEN
R7723	0	0	OPEN	OPEN	OPEN
R7724	0	0	OPEN	OPEN	OPEN
R7727	47k	47k	OPEN	OPEN	OPEN
R7728	100	100	OPEN	OPEN	OPEN
CN0ID	QGA1501F4 -05W	QGA1501F4 -05W	OPEN	OPEN	OPEN
C7536	47p	47p	47p	47p	OPEN
IC7504	MR27T1602F 2N1TN	MR27T1602F 2N1TN	MR27T1602F 2N1TN	Refer to NOTE	MR27T1602F 2M9TN
TP9001	LC42312 -001A	LC42312 -001A	LC42312 -001A	LC42312 -001A	OPEN
TP9002	LC42312 -001A	LC42312 -001A	LC42312 -001A	LC42312 -001A	OPEN
TP9003	LC42312 -001A	LC42312 -001A	LC42312 -001A	LC42312 -001A	OPEN

- NOTE -

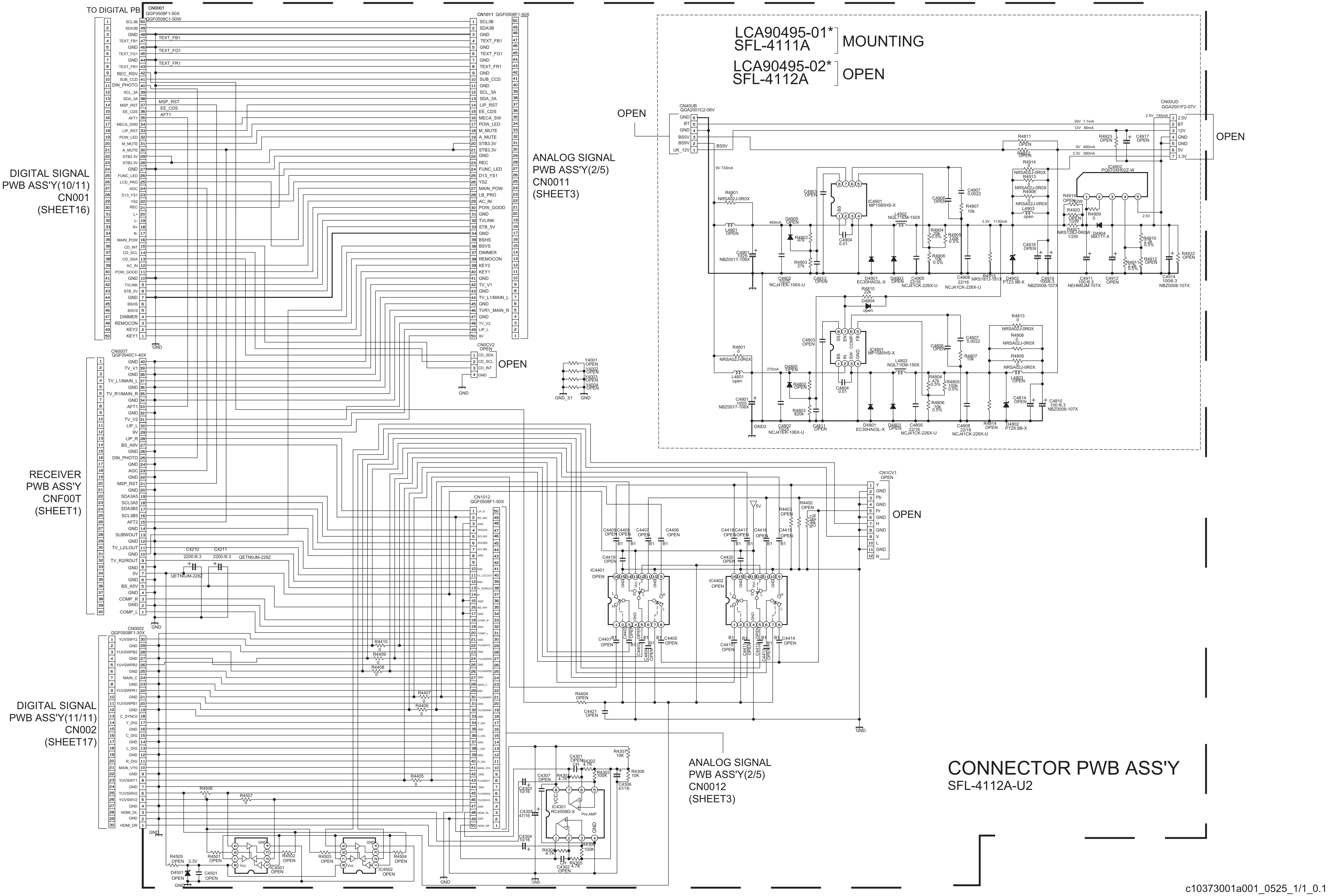
0 : NRSA63J-0R0X
*1 : NQR0498-001X
*2 : NQR0416-001X
*3 : NQR0483-005X
*4 : NQL092K-4R7X
*5 : NQL914M-4R7X
*6 : 1SS355-X

DIGITAL SIGNAL PWB ASS'Y (11/11)

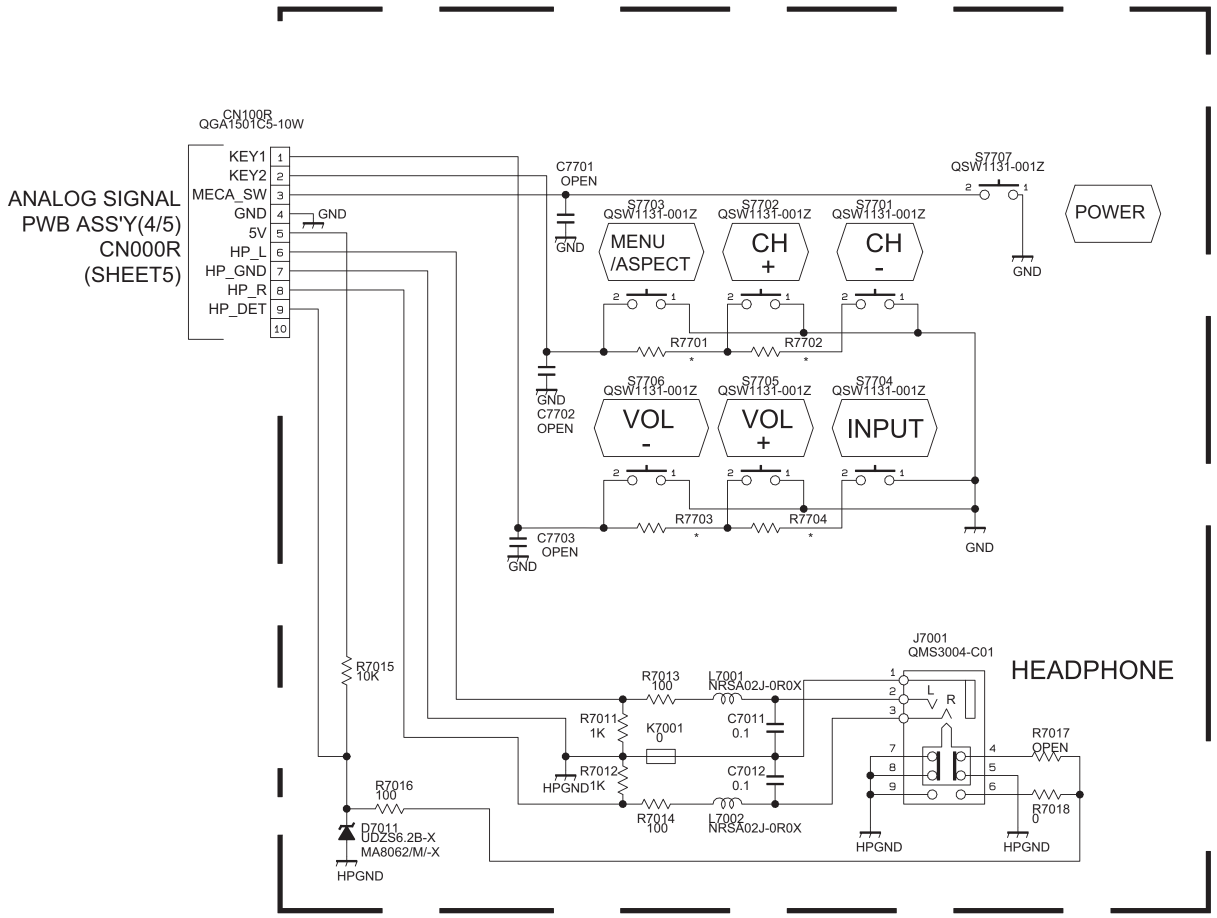
SFL0D238A-U2 [LT-37S60BU]
LCA10557-71A (SFL-0D238A) [LT-37S60BU/P]

NOTE : Refer to the part list for the part number of IC7504.

CONNECTOR PWB CIRCUIT DIAGRAM SHEET 18


TO DIGITAL PB
CN0001
QGF0508F1-50X
QGF0508C1-50W
CN1011 QGF0508F1-50X
DIGITAL SIGNAL
PWB ASS'Y(10/11)
CN001
(SHEET16)
ANALOG SIGNAL
PWB ASS'Y(2/5)
CN0011
(SHEET3)
LCA90495-01*
SFL-4111A
MOUNTING
LCA90495-02*
SFL-4112A
OPEN
OPEN
CN40UB
QGA2001C2-06V
CN00UD
QGA2001F2-07V
OPEN
IC4901
MP1580HS-X
IC4801
MP1580HS-X
IC4902
PQ070XH02Z-W
CN0CV2
OPEN
OPEN
CN000T
QGF0540C1-40X
RECEIVER
PWB ASS'Y
CNF00T
(SHEET1)
CN1012
QGF0508F1-50X
CN1CV1
OPEN
OPEN
IC4401
OPEN
IC4402
OPEN
CN0002
QGF0508F1-30X
DIGITAL SIGNAL
PWB ASS'Y(11/11)
CN002
(SHEET17)
IC4301
RC4558D-X
Pre.AMP
IC4501
OPEN
IC4502
OPEN
ANALOG SIGNAL
PWB ASS'Y(2/5)
CN0012
(SHEET3)
CONNECTOR PWB ASS'Y
SFL-4112A-U2
GND

FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET 19


CN100R
QGA1501C5-10W
ANALOG SIGNAL
PWB ASS'Y(4/5)
CN000R
(SHEET5)
KEY1
KEY2
MECA_SW
GND
5V
HP_L
HP_GND
HP_R
HP_DET
GND
C7701
OPEN
S7707
QSW1131-001Z
POWER
S7703
QSW1131-001Z
S7702
QSW1131-001Z
S7701
QSW1131-001Z
MENU
/ASPECT
CH
+
CH
-
R7701
R7702
C7702
OPEN
S7706
QSW1131-001Z
S7705
QSW1131-001Z
S7704
QSW1131-001Z
VOL
-
VOL
+
INPUT
R7703
R7704
C7703
OPEN
J7001
QMS3004-C01
HEADPHONE
R7013
100
L7001
NRSA02J-0R0X
R7015
10K
R7011
1K
K7001
0
C7011
0.1
R7012
1K
HPGND
C7012
0.1
R7014
100
L7002
NRSA02J-0R0X
R7017
OPEN
R7018
0
R7016
100
D7011
UDZS6.2B-X
MA8062/M/-X
L
R

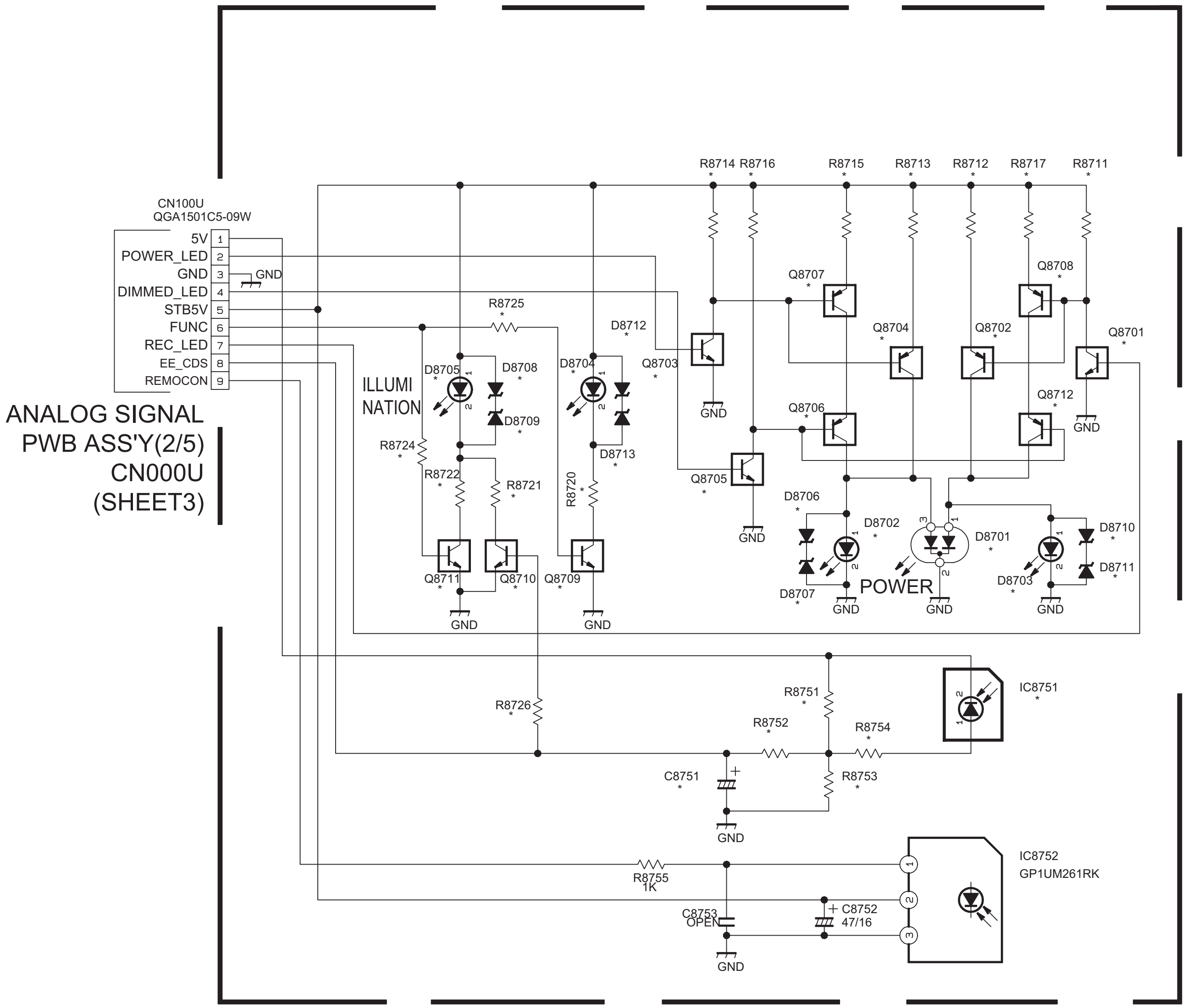
FRONT CONTROL PWB ASS'Y
SFL-7111A-U2

DIFFERENCE LIST

NOTE	JPN US	UK-DTV EUROPE (non-DTV) ASIA
INCH	40/37/32/26 40/37/32/26	37/32/26 37/32/26 37/32/26
ASS'Y No.	LCA90469 -01*	LCA90469 -02*
	SFL-7101A	SFL-7111A
	OLLC07662	OLLC08307
R7701	5.6K	4.7K
R7702	15K	8.2K
R7703	5.6K	4.7K
R7704	15K	8.2K

c30156001c001_0525_1/1_0.1

FRONT LED PWB CIRCUIT DIAGRAM SHEET 20


CN100U
QGA1501C5-09W
ANALOG SIGNAL
PWB ASS'Y(2/5)
CN000U
(SHEET3)
5V
POWER_LED
GND
DIMMED_LED
STB5V
FUNC
REC_LED
EE_CDS
REMOCON
GND
R8714
R8716
R8715
R8713
R8712
R8717
R8711
R8725
ILLUMI
NATION
D8705
D8708
D8709
D8704
D8712
D8713
R8724
R8722
R8721
R8720
Q8703
Q8707
Q8704
Q8702
Q8708
Q8701
Q8706
Q8712
Q8705
D8706
D8702
D8701
D8710
D8711
D8707
D8703
POWER
Q8711
Q8710
Q8709
IC8751
R8751
R8752
R8754
R8726
C8751
R8753
IC8752
GP1UM261RK
R8755
1K
C8753
OPEN
C8752
47/16

FRONT LED PWB ASS'Y
SFL-8133A-U2

DIFFERENCE LIST

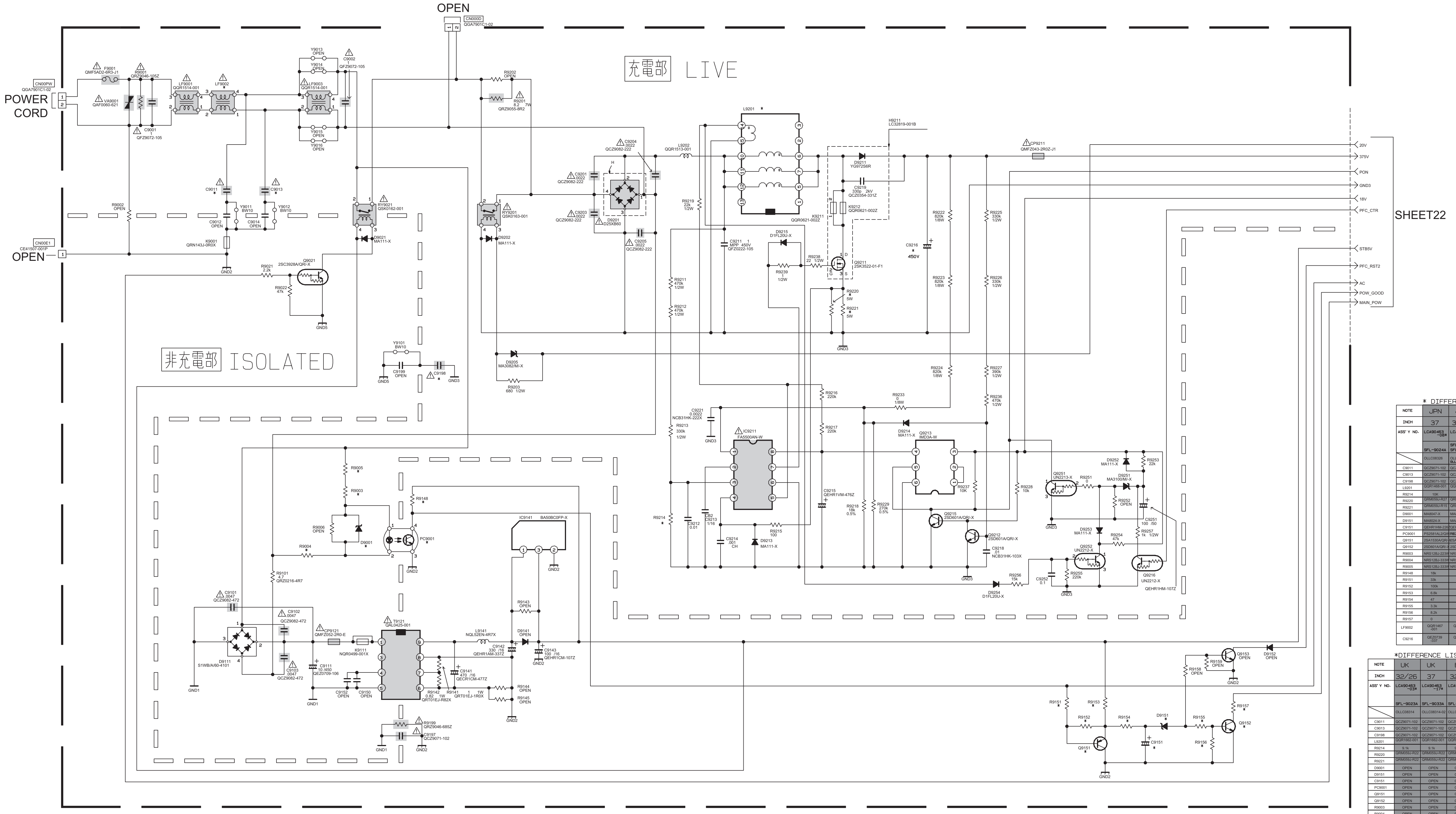
NOTE	JPN	UK-DTV	EUROPE (non-DTV) ASIA	US
INCH	40/37/32/26	37/32/26	37/32/26 37/32/26	40/37/32/26
ASS'Y No.	LCA90470 -01*	LCA90470 -02*	LCA90470 -03*	LCA90470 -04*
	SFL-8103A	SFL-8113A	SFL-8133A	SFL-8123A
	OLLC07665	OLLC08308	OLLC08308-02	OLLC08322
D8701	SML72420C-T	SML72420C-T	OPEN	OPEN
D8702	OPEN	OPEN	SEL5E20C-T	SEL5E20C-T
D8703	OPEN	OPEN	OPEN	SEL5920A-T
D8704	OPEN	OPEN	OPEN	OPEN
D8705	OPEN	SELU5E20C-T	SELU5E20C-T	SELU5E20C-T
D8706	OPEN	OPEN	MA8068-X	MA8068-X
D8707	OPEN	OPEN	MA8068-X	MA8068-X
D8708	OPEN	MA8068-X	MA8068-X	MA8068-X
D8709	OPEN	MA8068-X	MA8068-X	MA8068-X
D8710	OPEN	OPEN	OPEN	OPEN
D8711	OPEN	OPEN	OPEN	OPEN
D8712	OPEN	OPEN	OPEN	OPEN
D8713	OPEN	OPEN	OPEN	OPEN
Q8701	UN2212-X	UN2212-X	OPEN	UN2212-X
Q8702	UN2110-X	UN2110-X	OPEN	UN2110-X
Q8703	UN2212-X	UN2212-X	UN2212-X	UN2212-X
Q8704	UN2110-X	UN2110-X	UN2110-X	UN2110-X
Q8705	OPEN	OPEN	OPEN	UN2212-X
Q8706	OPEN	OPEN	OPEN	UN2110-X
Q8707	OPEN	OPEN	OPEN	UN2110-X
Q8708	OPEN	OPEN	OPEN	UN2110-X
Q8709	OPEN	OPEN	OPEN	OPEN
Q8710	OPEN	UN2212-X	UN2212-X	UN2212-X
Q8711	OPEN	UN2212-X	UN2212-X	UN2212-X
Q8712	OPEN	OPEN	OPEN	UN2110-X
R8711	10K	10K	OPEN	10K
R8712	330	330	OPEN	470
R8713	330	330	330	470
R8714	10K	10K	10K	10K
R8715	OPEN	OPEN	OPEN	1K
R8716	OPEN	OPEN	OPEN	10K
R8717	OPEN	OPEN	OPEN	1K
R8720	OPEN	OPEN	OPEN	OPEN
R8721	OPEN	100	100	100
R8722	OPEN	270	270	270
R8724	OPEN	0	0	0
R8725	OPEN	OPEN	OPEN	OPEN
R8726	OPEN	0	0	0
IC8751	S9648	OPEN	OPEN	OPEN
R8751	150K	OPEN	OPEN	OPEN
R8752	100	OPEN	OPEN	OPEN
R8753	33K	OPEN	OPEN	OPEN
R8754	15K	OPEN	OPEN	OPEN
C8751	NEHL1EM-226X	OPEN	OPEN	OPEN

c30157001c001_0525_1/1_0.1

POWER PWB CIRCUIT DIAGRAM (1/2) SHEET 21

POWER PWB ASS'Y (1/2)

SFL-9034A-U2


OPEN
CN000D
QGA7901C1-02
POWER
CORD
CN00PW
QGA7901C1-02
CN00E1
CE41507-001P
OPEN
F9001
QMF5AD2-6R3-J1
R9001
QRZ9046-105Z
VA9001
QAF0060-621
LF9001
QQR1514-001
LF9002
LF9003
QQR1514-001
C9001
QFZ9072-105
C9002
QFZ9072-105
Y9013
Y9014
Y9015
Y9016
OPEN
R9202
OPEN
R9201
8.2
7W
QRZ9055-8R2
充電部 LIVE
非充電部 ISOLATED
RY9021
QSK0162-001
RY9201
QSK0163-001
D9021
MA111-X
D9202
MA111-X
Q9021
2SC3928A/QR/-X
R9021
2.2k
R9022
47k
R9002
OPEN
C9011
C9013
C9012
OPEN
C9014
OPEN
Y9011
BW10
Y9012
BW10
K9001
QRN143J-0R0X
GND2
GND5
GND3
L9202
QQR1513-001
C9201
C9203
C9204
C9205
.0022
QCZ9082-222
D9201
D25XB60
L9201
H9211
LC32819-001B
CP9211
QMFZ043-2R0Z-J1
D9211
YG972S6R
C9219
330p 2kV
QCZ0354-331Z
K9212
QQR0621-002Z
K9211
QQR0621-002Z
Q9211
2SK3522-01-F1
R9219
22k
1/2W
C9211
1
MPP 450V
QFZ0222-105
D9215
D1FL20U-X
R9238
22 1/2W
R9239
1
1/2W
R9220
5W
R9221
5W
C9216
450V
R9222
820k
1/8W
R9223
820k
1/8W
R9225
330k
1/2W
R9226
330k
1/2W
R9211
470k
1/2W
R9212
470k
1/2W
R9224
820k
1/8W
R9227
390k
1/2W
R9236
470k
1/2W
R9216
220k
R9233
0
1/8W
R9217
220k
C9221
0.0022
NCB31HK-222X
R9213
330k
1/2W
IC9211
FA5500AN-W
D9214
MA111-X
Q9213
IMD3A-W
R9237
10K
C9215
QEHR1VM-476Z
R9218
18k
0.5%
R9229
270k
0.5%
Q9215
2SD601A/QR/-X
Q9212
2SD601A/QR/-X
C9218
.01
NCB31HK-103X
R9228
10k
R9214
C9212
0.01
C92
C9213
1/16
C9214
.001
CH
D9213
MA111-X
R9215
100
Q9251
UN2213-X
R9251
0
D9252
MA111-X
D9251
MA3100/M/-X
R9253
22k
R9252
OPEN
C9251
100 /50
D9253
MA111-X
R9254
47k
R9257
1k 1/2W
Q9252
UN2212-X
R9255
220k
R9256
15k
C9252
0.1
Q9216
UN2212-X
QEHR1HM-107Z
D9254
D1FL20U-X
D9205
MA3082/M/-X
R9203
680 1/2W
Y9101
BW10
C9199
OPEN
C9198
R9005
R9003
R9148
R9006
OPEN
D9001
PC9001
R9004
IC9141
BA50BC0FP-X
R9101
4.7
QRZ0216-4R7
C9101
.0047
QCZ9082-472
C9102
.0047
QCZ9082-472
C9103
.0047
QCZ9082-472
D9111
S1WB/A/60-4101
CP9121
QMFZ052-2R0-E
K9111
NQR0499-001X
T9121
QAL0425-001
C9111
0.1 450
QEZ0709-106
C9152
OPEN
C9150
OPEN
C9141
470 /16
QECR1CM-477Z
L9141
NQL52EN-4R7X
C9142
330 /16
QEHR1AM-337Z
R9142
0.82 1W
QRT01EJ-R82X
R9141
1 1W
QRT01EJ-1R0X
R9143
OPEN
D9141
OPEN
C9143
100 /16
QEHR1CM-107Z
R9144
OPEN
R9145
OPEN
R9199
QRZ9046-685Z
C9197
QCZ9071-102
GND1
20V
375V
PON
GND3
18V
PFC_CTR
STB5V
PFC_RST2
AC
POW_GOOD
MAIN_POW
SHEET22
Q9153
OPEN
D9152
OPEN
R9159
OPEN
R9158
OPEN
R9151
R9153
R9152
R9154
D9151
R9155
R9157
Q9152
Q9151
C9151
R9156

* DIFFERENCE LIST 1

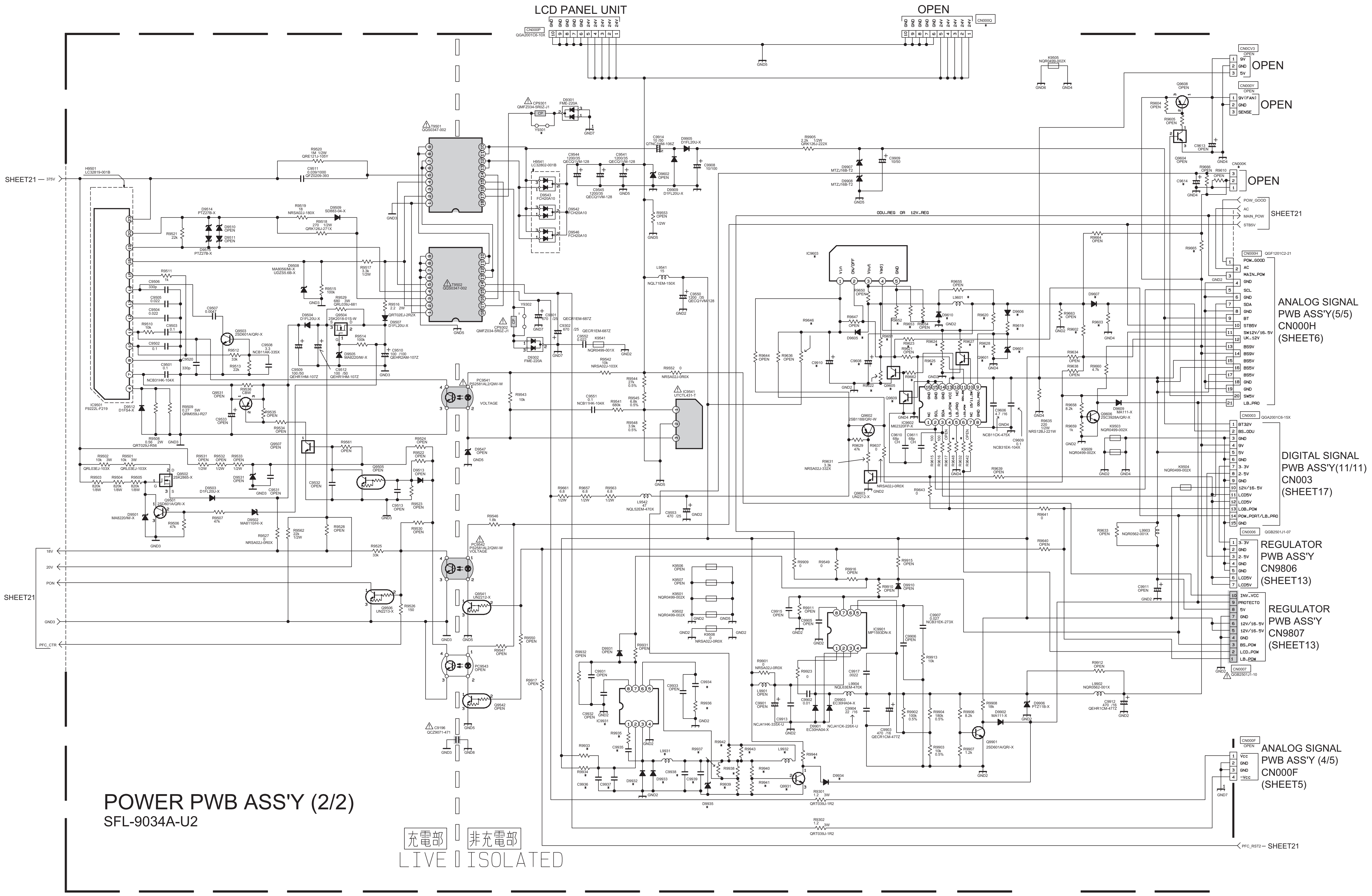
NOTE	JPN	JPN	US	US
INCH	37	32/26	37	32/26
ASS' Y NO.	LCA90463 -08*	LCA90463 -09* -10*	LCA90463 -13*	LCA90463 -14* -15*
	SFL-9024A	SFL-9025A SFL-9026A	SFL-9029A	SFL-9030A SFL-9031A
	OLLC08326	OLLC08326-02 OLLC08326-03	OLLC08494	OLLC08494-02 OLLC08494-03
C9011	QCZ9071-102	QCZ9071-102	QCZ9071-471	QCZ9071-471
C9013	QCZ9071-102	QCZ9071-102	QCZ9071-471	QCZ9071-471
C9198	QCZ9071-102	QCZ9071-102	QCZ9071-471	QCZ9071-471
L9201	QQR1468-001	QQR1468-001	QQR1662-001	QQR1662-001
R9214	10K	10K	10K	10K
R9220	QRM059J-R27	QRM059J-R27	QRM059J-R22	QRM059J-R22
R9221	QRM059J-R15	QRM059J-R15	QRM059J-R22	QRM059J-R22
D9001	MA8047-X	MA8047-X	MA8047-X	MA8047-X
D9151	MA8024-X	MA8024-X	MA8024-X	MA8024-X
C9151	QEHR1HM-226Z	QEHR1HM-226Z	QEHR1HM-226Z	QEHR1HM-226Z
PC9001	PS2581AL2/QW/-W	PS2581AL2/QW/-W	PS2581AL2/QW/-W	PS2581AL2/QW/-W
Q9151	2SA1530A/QR/-X	2SA1530A/QR/-X	2SA1530A/QR/-X	2SA1530A/QR/-X
Q9152	2SD601A/QR/-X	2SD601A/QR/-X	2SD601A/QR/-X	2SD601A/QR/-X
R9003	NRS12BJ-223W	NRS12BJ-223W	NRS12BJ-223W	NRS12BJ-223W
R9004	NRS12BJ-333W	NRS12BJ-333W	NRS12BJ-333W	NRS12BJ-333W
R9005	NRS12BJ-333W	NRS12BJ-333W	NRS12BJ-333W	NRS12BJ-333W
R9148	18k	18k	18k	18k
R9151	33k	33k	33k	33k
R9152	100k	100k	100k	100k
R9153	6.8k	6.8k	6.8k	6.8k
R9154	47	47	47	47
R9155	3.3k	3.3k	3.3k	3.3k
R9156	8.2k	8.2k	8.2k	8.2k
R9157	0	0	0	0
LF9002	QQR1467 -001	QQR1467 -001	QQR1514 -001	QQR1514 -001
C9216	QEZ0739 -337	QEZ0650 -227	QEZ0739 -337	QEZ0650 -227

*DIFFERENCE LIST 2

NOTE	UK	UK	EU	EU	ASIA
INCH	32/26	37	32/26	37	37/32/26
ASS' Y NO.	LCA90463 -03*	LCA90463 -17*	LCA90463 -06*	LCA90463 -18*	LCA90463 -11*
	SFL-9023A	SFL-9033A	SFL-9028A	SFL-9034A	SFL-9027A
	OLLC08314	OLLC08314-02	OLLC08378	OLLC08378-02	OLLC08636
C9011	QCZ9071-102	QCZ9071-102	QCZ9071-102	QCZ9071-102	QCZ9071-102
C9013	QCZ9071-102	QCZ9071-102	QCZ9071-102	QCZ9071-102	QCZ9071-102
C9198	QCZ9071-102	QCZ9071-102	QCZ9071-102	QCZ9071-102	QCZ9071-102
L9201	QQR1662-001	QQR1662-001	QQR1662-001	QQR1662-001	QQR1662-001
R9214	9.1k	9.1k	9.1k	9.1k	9.1k
R9220	QRM059J-R22	QRM059J-R22	QRM059J-R22	QRM059J-R22	QRM059J-R22
R9221	QRM059J-R22	QRM059J-R22	QRM059J-R22	QRM059J-R22	QRM059J-R22
D9001	OPEN	OPEN	OPEN	OPEN	OPEN
D9151	OPEN	OPEN	OPEN	OPEN	OPEN
C9151	OPEN	OPEN	OPEN	OPEN	OPEN
PC9001	OPEN	OPEN	OPEN	OPEN	OPEN
Q9151	OPEN	OPEN	OPEN	OPEN	OPEN
Q9152	OPEN	OPEN	OPEN	OPEN	OPEN
R9003	OPEN	OPEN	OPEN	OPEN	OPEN
R9004	OPEN	OPEN	OPEN	OPEN	OPEN
R9005	OPEN	OPEN	OPEN	OPEN	OPEN
R9148	OPEN	OPEN	OPEN	OPEN	OPEN
R9151	OPEN	OPEN	OPEN	OPEN	OPEN
R9152	OPEN	OPEN	OPEN	OPEN	OPEN
R9153	OPEN	OPEN	OPEN	OPEN	OPEN
R9154	OPEN	OPEN	OPEN	OPEN	OPEN
R9155	OPEN	OPEN	OPEN	OPEN	OPEN
R9156	OPEN	OPEN	OPEN	OPEN	OPEN
R9157	OPEN	OPEN	OPEN	OPEN	OPEN
LF9002	QQR1467 -001	QQR1467 -001	QQR1467 -001	QQR1467 -001	QQR1467 -001
C9216	QEZ0650 -227	QEZ0650 -227	QEZ0650 -227	QEZ0650 -227	QEZ0650 -227

c10365001b001_0602_1/2_0.1

POWER PWB CIRCUIT DIAGRAM (2/2) SHEET 22


LCD PANEL UNIT
CN000P
QGA2001C6-10X
OPEN
CN000Q
CN0CV3
9V
GND
5V
OPEN
CN000Y
5V(FAN)
GND
SENSE
OPEN
CN000K
OPEN
POW_GOOD
AC
MAIN_POW
STB5V
SHEET21
CN000H
QGF1201C2-21
POW_GOOD
AC
MAIN_POW
GND
SCL
GND
SDA
GND
BT
STB5V
SW12V/16.5V
UK_12V
BS9V
BS9V
BS5V
BS5V
BS5V
GND
GND
SW5V
LB_PRO
ANALOG SIGNAL
PWB ASS'Y(5/5)
CN000H
(SHEET6)
CN003
QGA2001C6-15X
BT32V
BS_ODU
GND
9V
5V
GND
3.3V
2.5V
GND
12V/16.5V
LCD5V
LCD5V
LOD_POW
POW_PORT/LB_PRO
GND
DIGITAL SIGNAL
PWB ASS'Y(11/11)
CN003
(SHEET17)
CN0006
QGB2501J1-07
3.3V
GND
2.5V
GND
GND
LCD5V
LCD5V
REGULATOR
PWB ASS'Y
CN9806
(SHEET13)
INV_VCC
PROTECTO
5V
GND
12V/16.5V
12V/16.5V
GND
BS_POW
LCD_POW
LB_POW
REGULATOR
PWB ASS'Y
CN9807
(SHEET13)
CN0007
QGB2501J1-10
CN000F
Vcc
GND
GND
-Vcc
ANALOG SIGNAL
PWB ASS'Y (4/5)
CN000F
(SHEET5)
PFC_RST2
SHEET21
SHEET21
375V
SHEET21
18V
20V
PON
GND3
PFC_CTR
ODU_REG OR 12V_REG
IC9501
IC9603
IC9931
T9501
T9502
PC9541
PC9542
PC9543
VOLTAGE
充電部
LIVE
非充電部
ISOLATED

POWER PWB ASS'Y (2/2)

SFL-9034A-U2

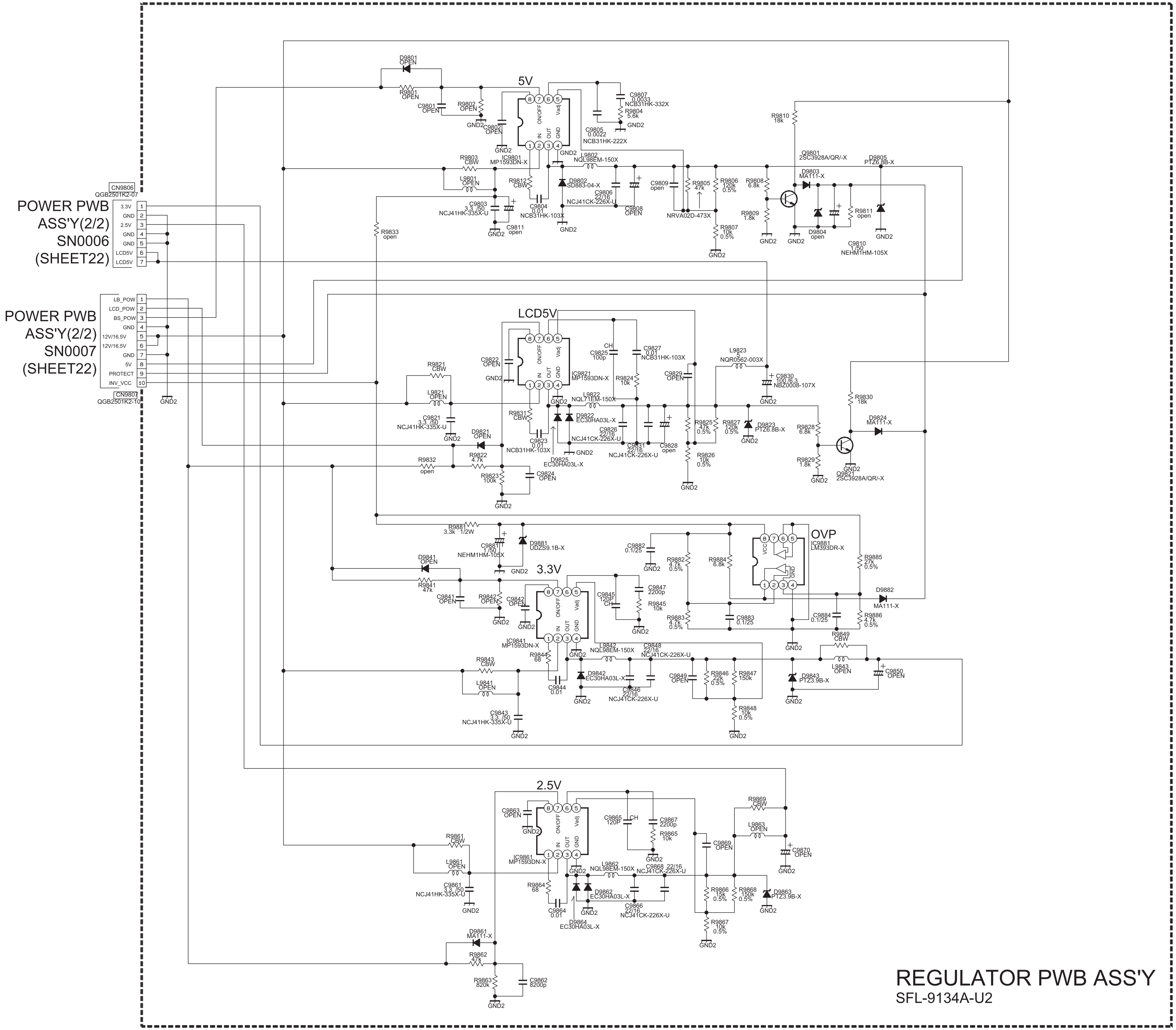
* DIFFERENCE LIST 1

NOTE	JPN	JPN	US	US
INCH	37	32/26	37	32/26
ASS' Y NO.	LCA90463 -08*	LCA90463 -09* -10*	LCA90463 -13*	LCA90463 -14* -15*
	SFL-9024A	SFL-9025A SFL-9026A	SFL-9029A	SFL-9030A SFL-9031A
	OLLC08326	OLLC08326-02 OLLC08326-03	OLLC08494	OLLC08494-02 OLLC08494-03
C9608	QEHR1EM-107Z	QEHR1EM-107Z	OPEN	OPEN
C9910	QEHR1HM-476Z	QEHR1HM-476Z	OPEN	OPEN
C9934	OPEN	OPEN	NCB31EK-273X	NCB31EK-273X
C9935	OPEN	OPEN	NCB31HK-103X	NCB31HK-103X
C9936	OPEN	OPEN	NCJ41HK-335X-U	NCJ41HK-335X-U
C9937	OPEN	OPEN	NCJ41HK-335X-U	NCJ41HK-335X-U
C9938	OPEN	OPEN	NCJ41EK-106X-U	NCJ41EK-106X-U
C9939	OPEN	OPEN	NCJ41EK-106X-U	NCJ41EK-106X-U
D9601	MA8051/M/-X	MA8051/M/-X	OPEN	OPEN
D9605	D1FS4-X	D1FS4-X	OPEN	OPEN
D9606	MA111-X	MA111-X	OPEN	OPEN
D9607	D1FS4-X	D1FS4-X	OPEN	OPEN
D9610	EC30HA04-X	EC30HA04-X	OPEN	OPEN
D9932	OPEN	OPEN	EC30HA04-X	EC30HA04-X
D9933	OPEN	OPEN	EC30HA04-X	EC30HA04-X
D9934	OPEN	OPEN	MA111-X	MA111-X
D9935	OPEN	OPEN	PTZ16B-X	PTZ16B-X
IC9603	PQ1CZ38M2Z-X	PQ1CZ38M2Z-X	OPEN	OPEN
IC9931	OPEN	OPEN	MP1593DN-X	MP1593DN-X
L9601	NQL98EM-101X	NQL98EM-101X	OPEN	OPEN
L9931	OPEN	OPEN	NQL71EM-470X	NQL71EM-470X
L9932	OPEN	OPEN	NQR0562-001X	NQR0562-001X
Q9601	UN2213-X	UN2213-X	OPEN	OPEN
Q9605	UN2213-X	UN2213-X	OPEN	OPEN
Q9609	UN2213-X	UN2213-X	OPEN	OPEN
Q9931	OPEN	OPEN	2SC3928A/QR/-X	2SC3928A/QR/-X
R9602	OPEN	OPEN	OPEN	OPEN
R9603	OPEN	OPEN	10K	10K
R9619	12K	12K	OPEN	OPEN
R9620	NRSA63D-153X	NRSA63D-153X	OPEN	OPEN
R9624	NRSA63D-331X	NRSA63D-331X	OPEN	OPEN
R9625	NRSA63D-152X	NRSA63D-152X	OPEN	OPEN
R9627	NRSA63D-472X	NRSA63D-472X	OPEN	OPEN
R9628	10K	10K	OPEN	OPEN
R9632	100	100	100	100
R9646	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN
R9651	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN
R9652	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN
R9653	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN
R9662	10K	10K	OPEN	OPEN
R9665	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X
R9933	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X
R9934	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X
R9935	OPEN	OPEN	0	0
R9936	OPEN	OPEN	10K	10K
R9937	OPEN	OPEN	NRSA63D-224X	NRSA63D-224X
R9938	OPEN	OPEN	NRSA63D-184X	NRSA63D-184X
R9939	OPEN	OPEN	NRSA63D-103X	NRSA63D-103X
R9940	OPEN	OPEN	15K	15K
R9941	OPEN	OPEN	1.2K	1.2K
R9942	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X
R9943	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X
R9944	OPEN	OPEN	18K	18K
R9648	1k	1k	OPEN	OPEN
R9622	OPEN	OPEN	0	0
R9623	OPEN	OPEN	0	0
C9614	OPEN	OPEN	NBZ0017-106X	NBZ0017-106X
R9663	OPEN	OPEN	OPEN	OPEN
CN000Q	QGA2001C6-10X	QGA2001C6-10X	QGA2001C6-10X	QGA2001C6-10X
CN000K	OPEN	OPEN	QGA2001C6-03X	QGA2001C6-03X

*DIFFERENCE LIST 2

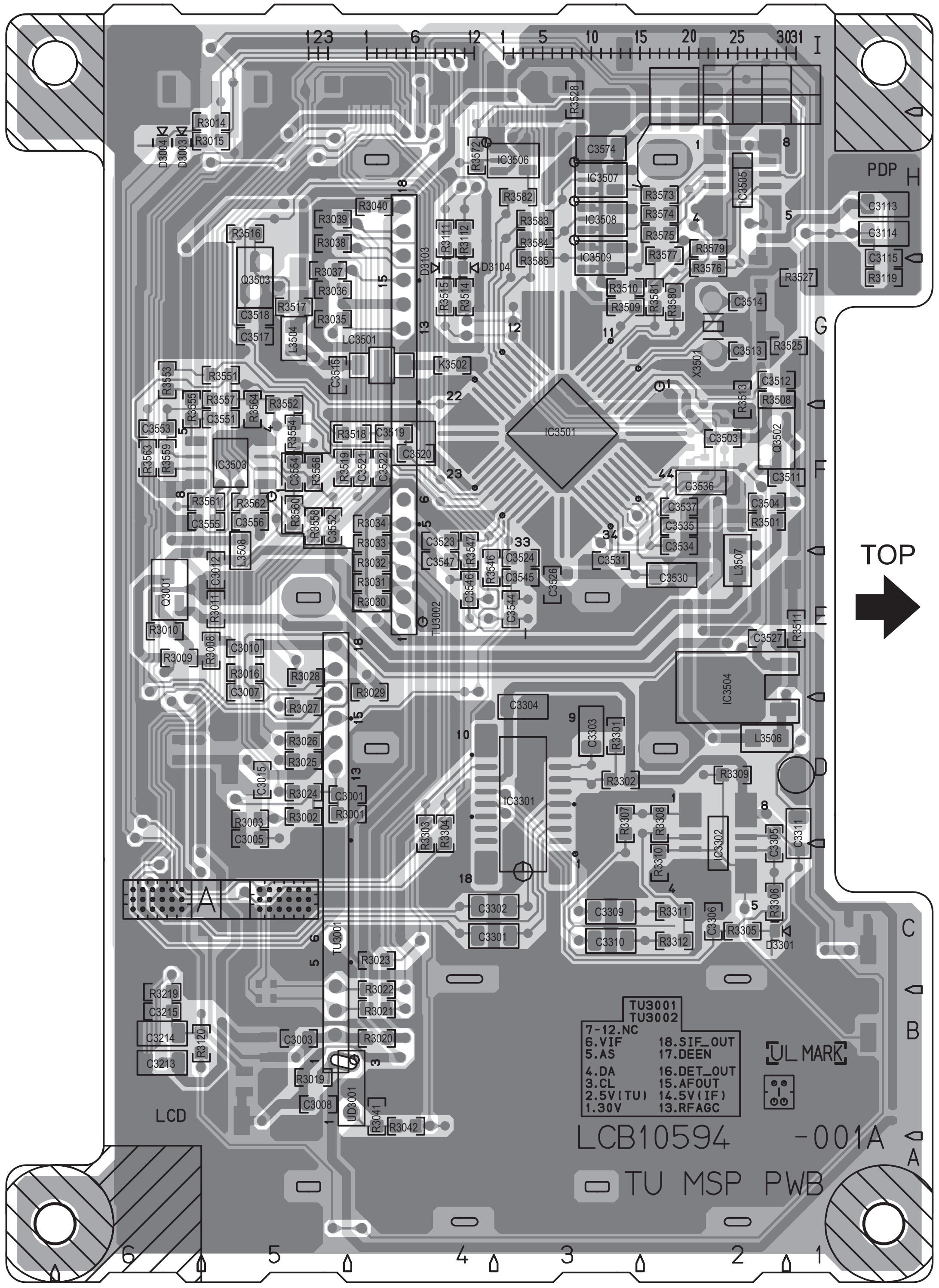
NOTE	UK	UK	EU	EU	ASIA
INCH	32/26	37	32/26	37	37/32/26
ASS' Y NO.	LCA90463 -03*	LCA90463 -17*	LCA90463 -06*	LCA90463 -18*	LCA90463 -11*
	SFL-9023A	SFL-9033A	SFL-9028A	SFL-9034A	SFL-9027A
	OLLC08314	OLLC08314-02	OLLC08378	OLLC08378-02	OLLC08636
C9608	QEHR1EM-107Z	QEHR1EM-107Z	OPEN	OPEN	OPEN
C9910	QEHR1HM-476Z	QEHR1HM-476Z	OPEN	OPEN	OPEN
C9934	OPEN	OPEN	OPEN	OPEN	OPEN
C9935	OPEN	OPEN	OPEN	OPEN	OPEN
C9936	OPEN	OPEN	OPEN	OPEN	OPEN
C9937	OPEN	OPEN	OPEN	OPEN	OPEN
C9938	OPEN	OPEN	OPEN	OPEN	OPEN
C9939	OPEN	OPEN	OPEN	OPEN	OPEN
D9601	OPEN	OPEN	OPEN	OPEN	OPEN
D9605	OPEN	OPEN	OPEN	OPEN	OPEN
D9606	OPEN	OPEN	OPEN	OPEN	OPEN
D9607	OPEN	OPEN	OPEN	OPEN	OPEN
D9610	EC30HA04-X	EC30HA04-X	OPEN	OPEN	OPEN
D9932	OPEN	OPEN	OPEN	OPEN	OPEN
D9933	OPEN	OPEN	OPEN	OPEN	OPEN
D9934	OPEN	OPEN	OPEN	OPEN	OPEN
D9935	OPEN	OPEN	OPEN	OPEN	OPEN
IC9603	PQ1CZ38M2Z-X	PQ1CZ38M2Z-X	OPEN	OPEN	OPEN
IC9931	OPEN	OPEN	OPEN	OPEN	OPEN
L9601	NQL98EM-101X	NQL98EM-101X	OPEN	OPEN	OPEN
L9931	OPEN	OPEN	OPEN	OPEN	OPEN
L9932	OPEN	OPEN	OPEN	OPEN	OPEN
Q9601	OPEN	OPEN	OPEN	OPEN	OPEN
Q9605	OPEN	OPEN	OPEN	OPEN	OPEN
Q9609	OPEN	OPEN	OPEN	OPEN	OPEN
Q9931	OPEN	OPEN	OPEN	OPEN	OPEN
R9602	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN	OPEN
R9603	OPEN	OPEN	OPEN	OPEN	OPEN
R9619	OPEN	OPEN	OPEN	OPEN	OPEN
R9620	NRSA63D-183X	NRSA63D-183X	OPEN	OPEN	OPEN
R9624	270	270	OPEN	OPEN	OPEN
R9625	NRSA63D-182X	NRSA63D-182X	OPEN	OPEN	OPEN
R9627	OPEN	OPEN	OPEN	OPEN	OPEN
R9628	OPEN	OPEN	OPEN	OPEN	OPEN
R9632	0	0	0	0	0
R9646	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN	OPEN
R9651	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN	OPEN
R9652	OPEN	OPEN	OPEN	OPEN	OPEN
R9653	NRSA02J-0R0X	NRSA02J-0R0X	OPEN	OPEN	OPEN
R9662	OPEN	OPEN	OPEN	OPEN	OPEN
R9665	OPEN	OPEN	OPEN	OPEN	OPEN
R9933	OPEN	OPEN	OPEN	OPEN	OPEN
R9934	OPEN	OPEN	OPEN	OPEN	OPEN
R9935	OPEN	OPEN	OPEN	OPEN	OPEN
R9936	OPEN	OPEN	OPEN	OPEN	OPEN
R9937	OPEN	OPEN	OPEN	OPEN	OPEN
R9938	OPEN	OPEN	OPEN	OPEN	OPEN
R9939	OPEN	OPEN	OPEN	OPEN	OPEN
R9940	OPEN	OPEN	OPEN	OPEN	OPEN
R9941	OPEN	OPEN	OPEN	OPEN	OPEN
R9942	OPEN	OPEN	OPEN	OPEN	OPEN
R9943	OPEN	OPEN	OPEN	OPEN	OPEN
R9944	OPEN	OPEN	OPEN	OPEN	OPEN
R9648	1k	1k	1k	1k	1k
R9622	OPEN	OPEN	OPEN	OPEN	OPEN
R9623	OPEN	OPEN	OPEN	OPEN	OPEN
C9614	OPEN	OPEN	OPEN	OPEN	OPEN
R9663	NRS12BJ -681W	NRS12BJ -681W	OPEN	OPEN	OPEN
CN000Q	OPEN	QGA2001C6-10X	OPEN	QGA2001C6-10X	QGA2001C6-10X
CN000K	OPEN	OPEN	OPEN	OPEN	OPEN

c10365001b002_0602_2/2_0.1

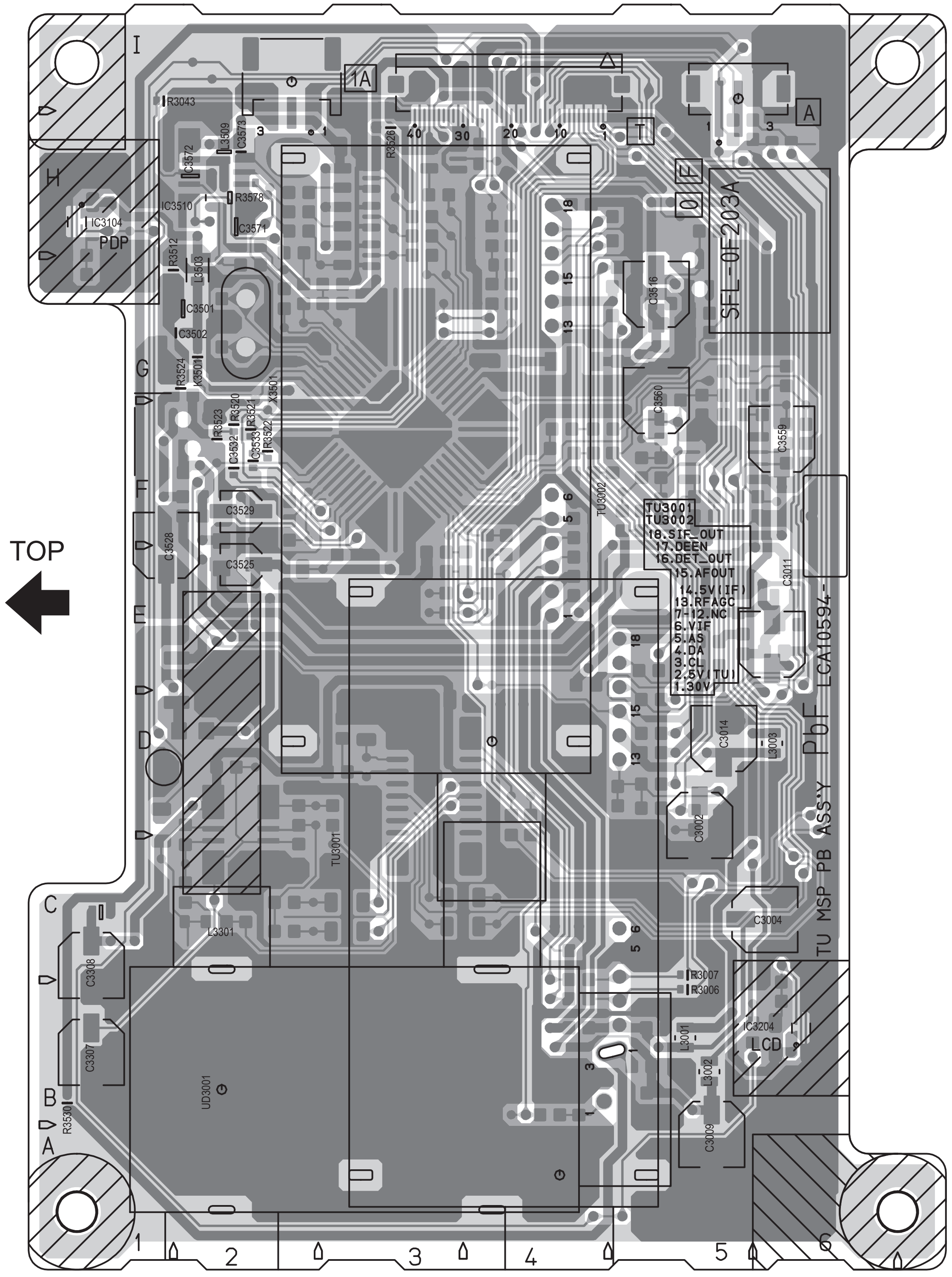

POWER PWB
ASS'Y(2/2)
SN0006
(SHEET22)
CN9806
QGB2501K2-07
3.3V
GND
2.5V
GND
GND
LCD5V
LCD5V
POWER PWB
ASS'Y(2/2)
SN0007
(SHEET22)
CN9801
QGB2501K2-10
LB_POW
LCD_POW
BS_POW
GND
12V/16.5V
12V/16.5V
GND
5V
PROTECT
INV_VCC
5V
IC9801
MP1593DN-X
L9802
NQL98EM-150X
D9802
SD883-04-X
Q9801
2SC3928A/QR/-X
D9805
PTZ6.8B-X
D9803
MA111-X
C9810
NEHM1HM-105X
LCD5V
IC9821
MP1593DN-X
L9822
NQL71EM-150X
L9823
NQR0562-003X
C9830
NBZ0008-107X
D9822
EC30HA03L-X
D9825
EC30HA03L-X
D9823
PTZ6.8B-X
D9824
MA111-X
Q9821
2SC3928A/QR/-X
OVP
IC9881
LM393DR-X
D9881
UDZS9.1B-X
D9882
MA111-X
3.3V
IC9841
MP1593DN-X
L9842
NQL98EM-150X
D9842
EC30HA03L-X
D9843
PTZ3.9B-X
2.5V
IC9861
MP1593DN-X
L9862
NQL98EM-150X
D9862
EC30HA03L-X
D9864
EC30HA03L-X
D9863
PTZ3.9B-X
D9861
MA111-X
GND2
REGULATOR PWB ASS'Y
SFL-9134A-U2

PATTERN DIAGRAMS

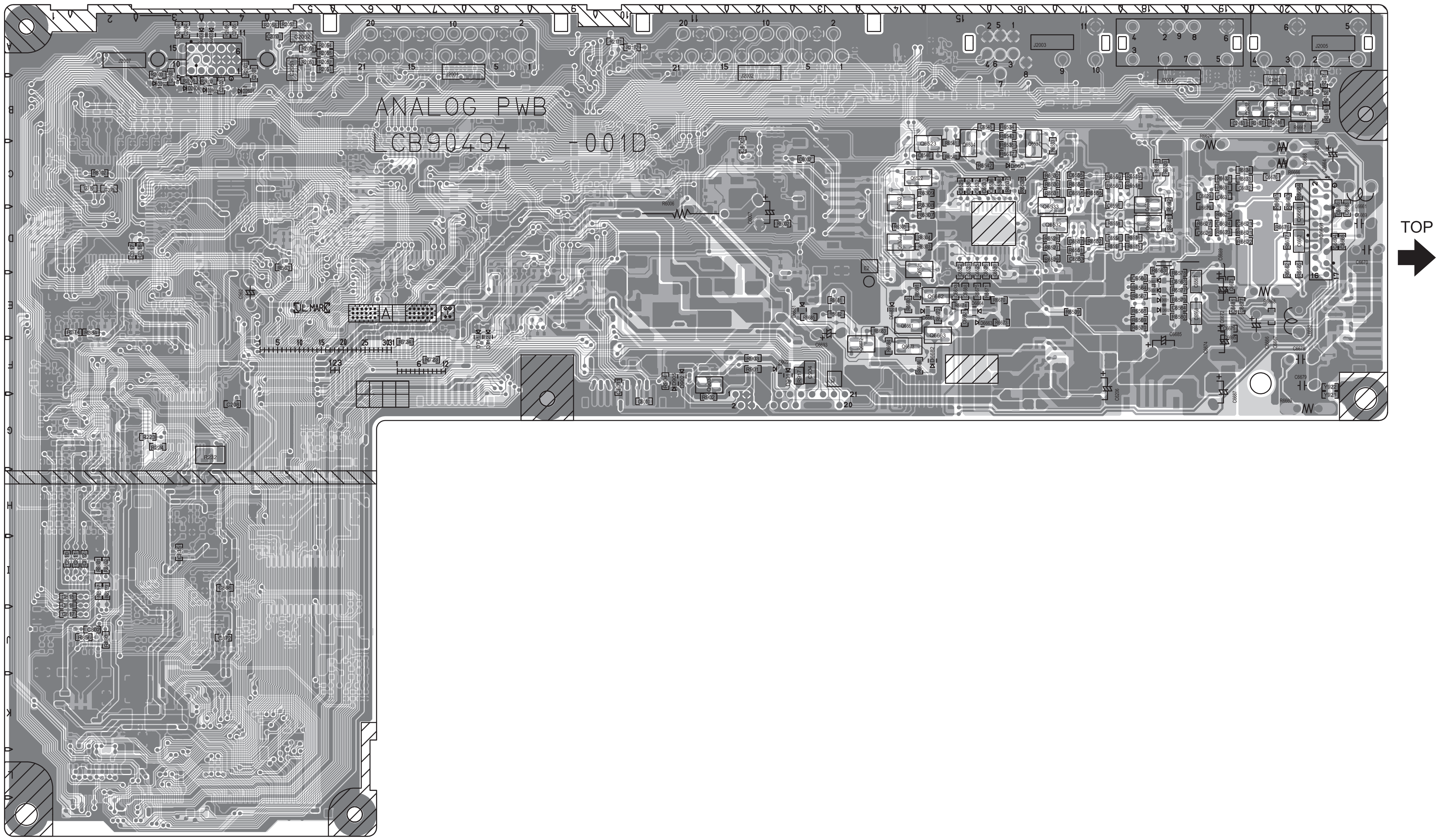
RECEIVER PWB PATTERN [SOLDER SIDE]


TOP
PDP
LCD
TU3001
TU3002
7-12.NC
6.VIF
5.AS
4.DA
3.CL
2.5V(TU)
1.30V
18.SIF_OUT
17.DEEN
16.DET_OUT
15.AFOUT
14.5V(IF)
13.RFAGC
UL MARK
LCB10594 -001A
TU MSP PWB
IC3501
IC3504
IC3301
A B C D E F G H I
1 2 3 4 5 6

RECEIVER PWB PATTERN [PARTS SIDE]

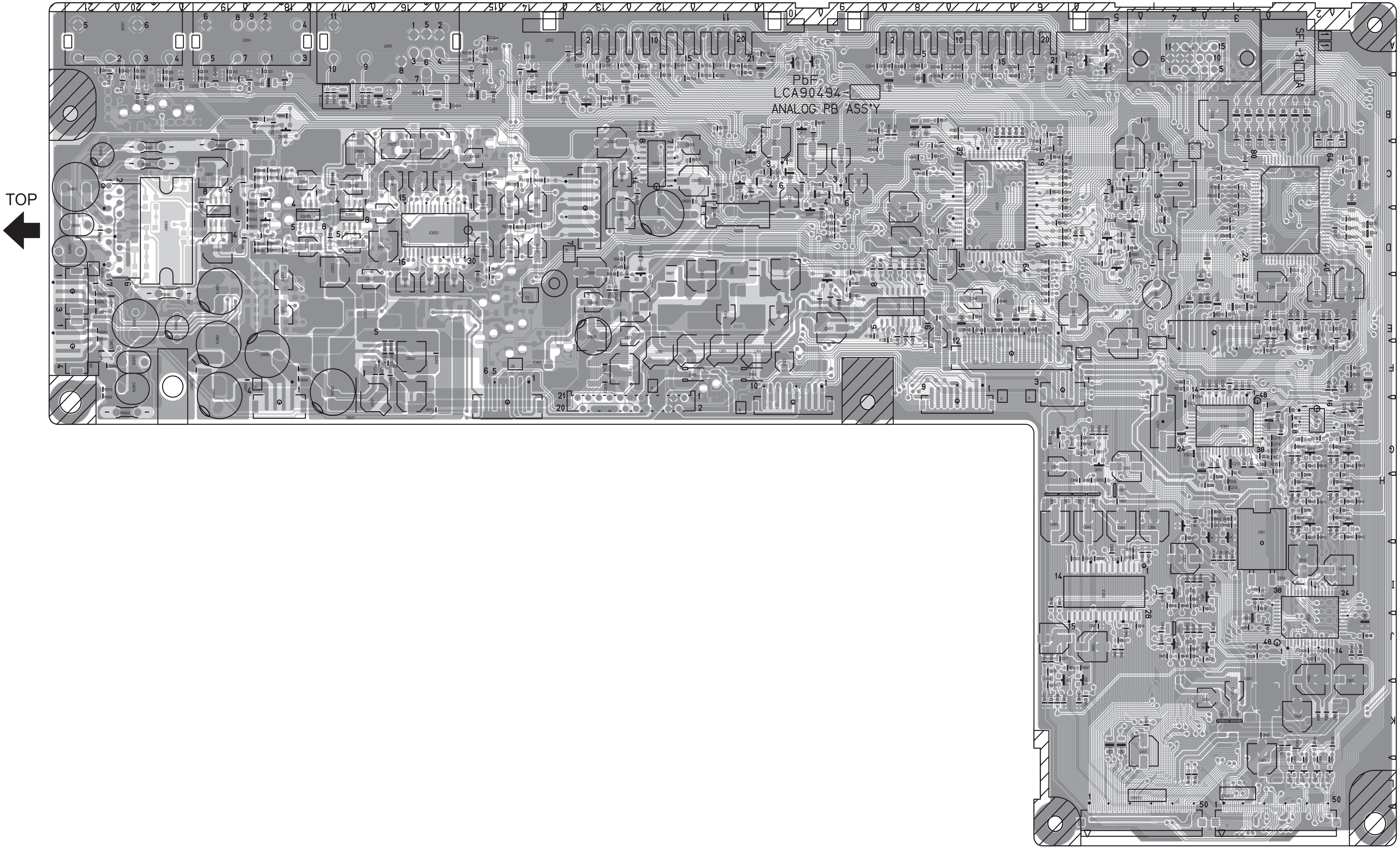

TOP
PDP
LCD
TU3001
TU3002
18.SIF_OUT
17.DEEN
16.DET_OUT
15.AFOUT
14.5V(IF)
13.RFAGC
7-12.NC
6.VIF
5.AS
4.DA
3.CL
2.5V(TU)
1.30V
SFL-0F203A
TU MSP PB ASS'Y PbF LCA10594-
UD3001
IC3204
A B C D E F G H I
1 2 3 4 5 6

ANALOG SIGNAL PWB PATTERN [SOLDER SIDE]

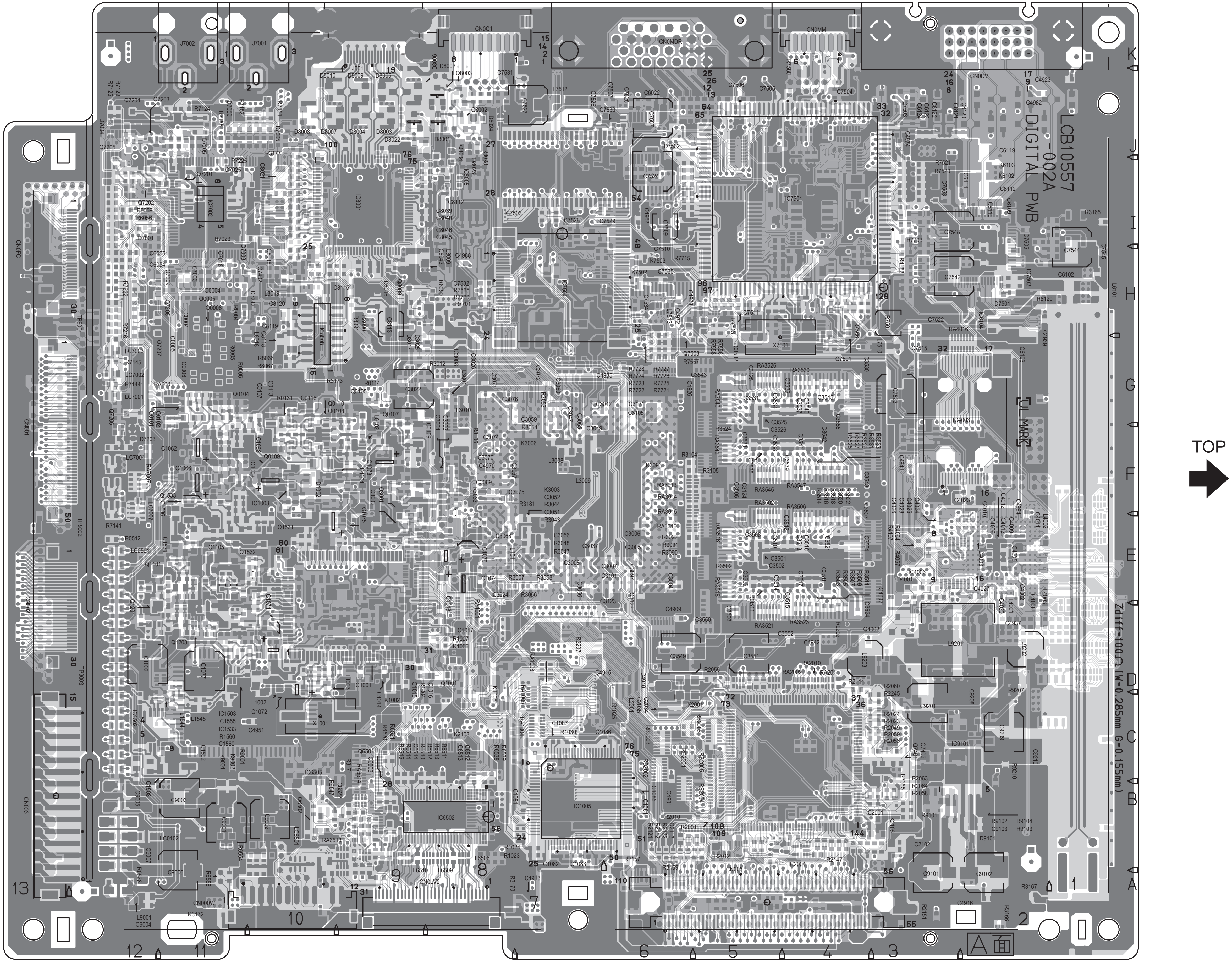

ANALOG PWB
LCB90494 -001D
TOP
J2001
J2002
J2003
J2005
Q6523
Q6533
Q6532
Q6662
Q6663
Q6661
R6006
R282
A
B
C
D
E
F
G
H
I
J
K
L

ANALOG SIGNAL PWB PATTERN [PARTS SIDE]

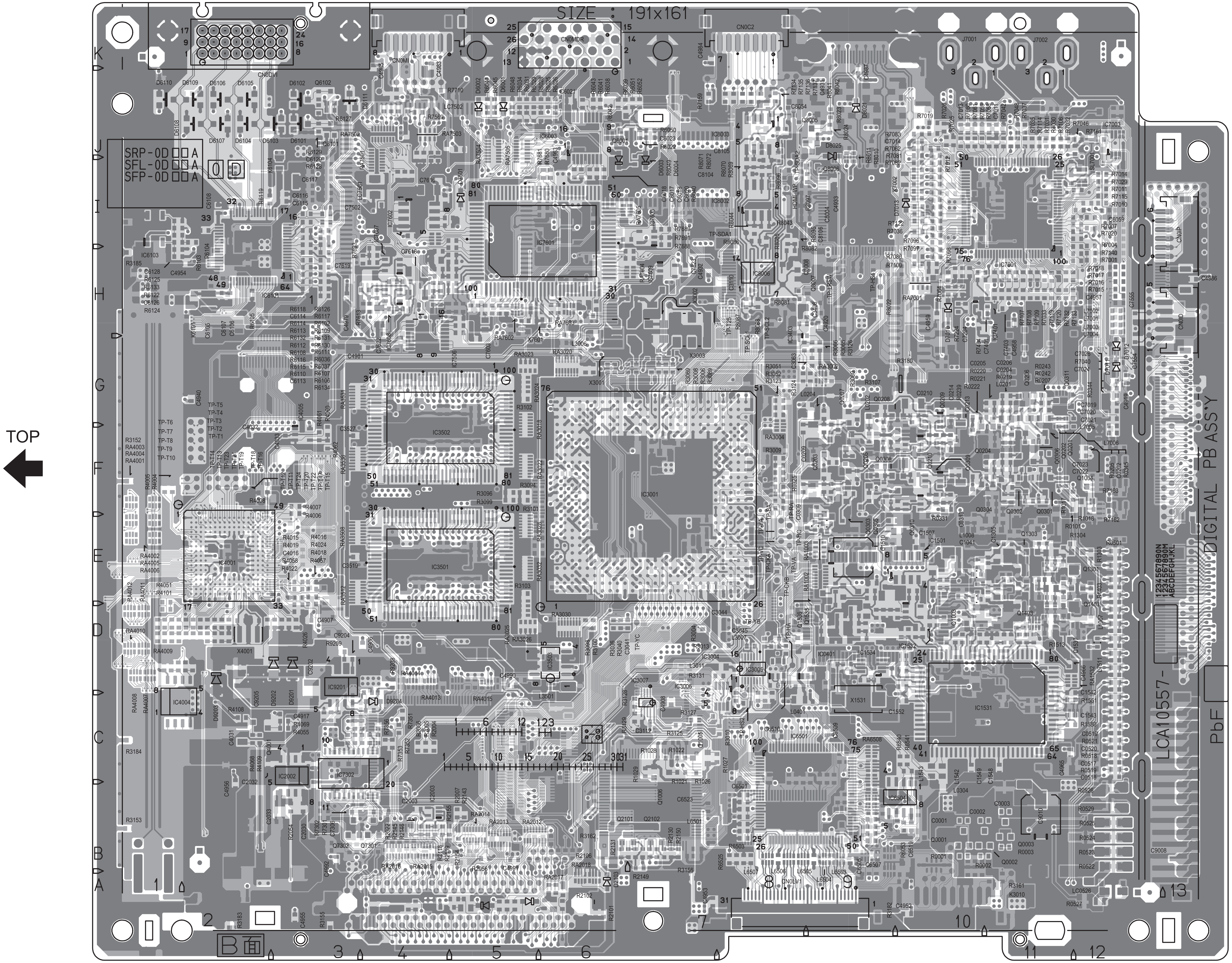
TOP


PbF
LCA90494-
ANALOG PB ASS'Y
SFL-1CDDA

DIGITAL SIGNAL PWB PATTERN [SOLDER SIDE]

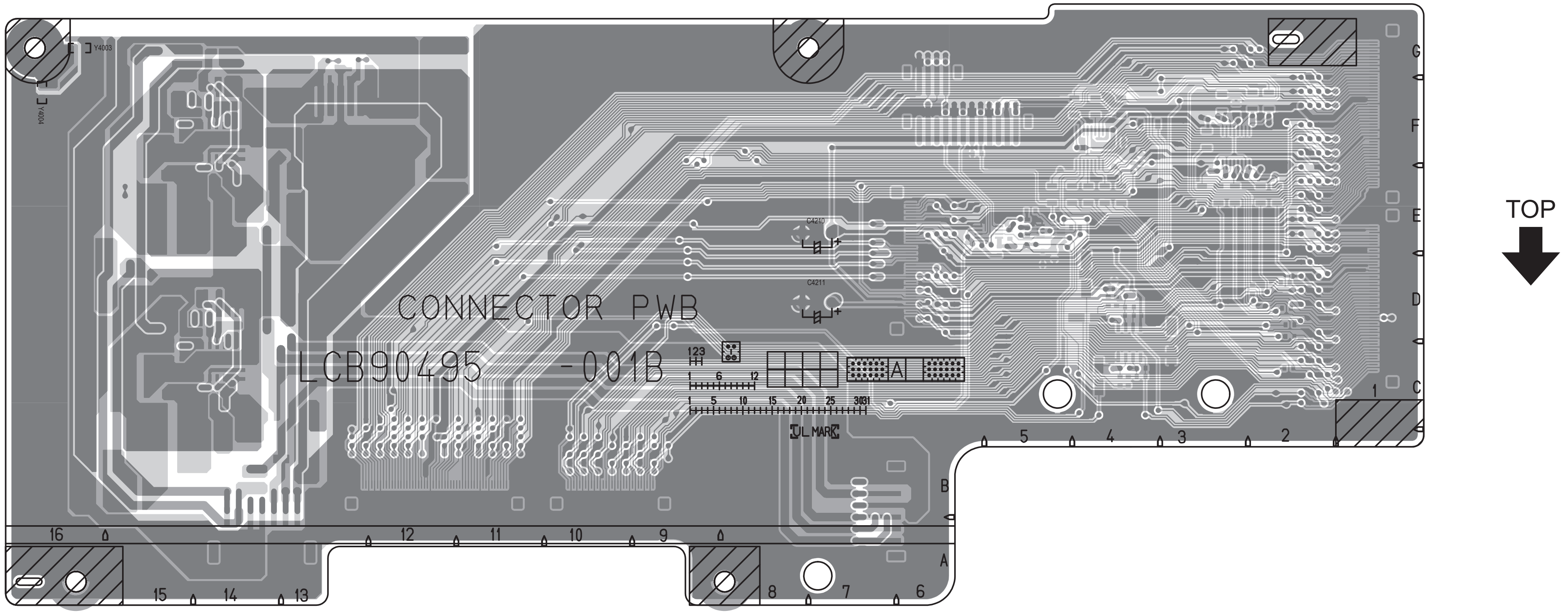

LCB10557-002A
DIGITAL PWB
Zdiff=100Ω(W=0.285mm G=0.155mm)
UL MARK
A面
TOP
CN0C1
CN0MDR
CN0MM
CN0DVI
CN0FC
CN001
CN002
CN003
CN000W
CN0UV2
J7002
J7001
IC8001
IC7501
IC1005
IC2001
IC6502
IC9101
X1001
X7501
K J I H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12 13

DIGITAL SIGNAL PWB PATTERN [PARTS SIDE]

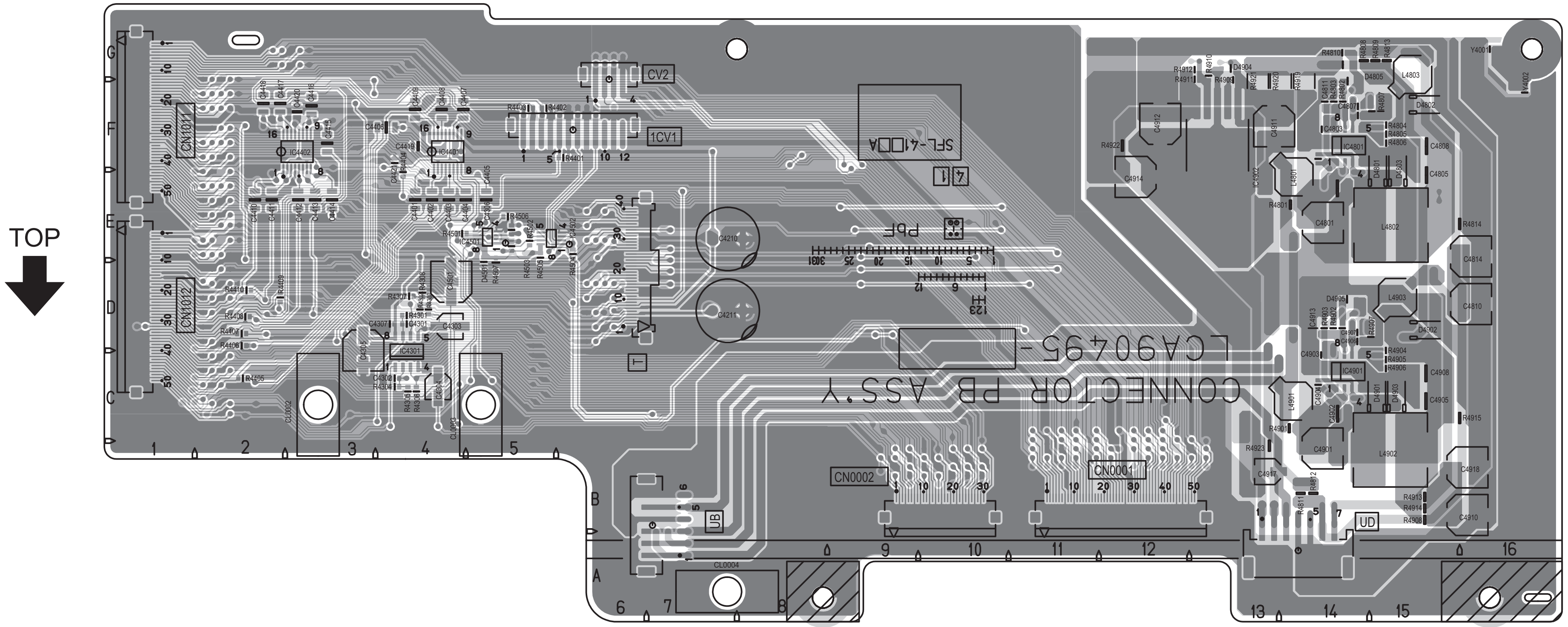


TOP
SIZE : 191x161
DIGITAL PB ASS'Y
LCA10557-
PbF
SRP-0D□□A
SFL-0D□□A
SFP-0D□□A
IC3001
IC3501
IC3502
IC7601
IC7001
IC1531
IC6501
IC4001
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13

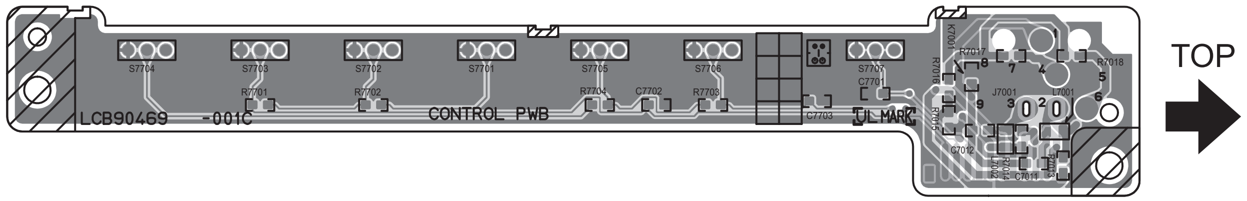
CONNECTOR PWB PATTERN [SOLDER SIDE]


CONNECTOR PWB
LCB90495 -001B
TOP
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Y4003
C4210
C4211

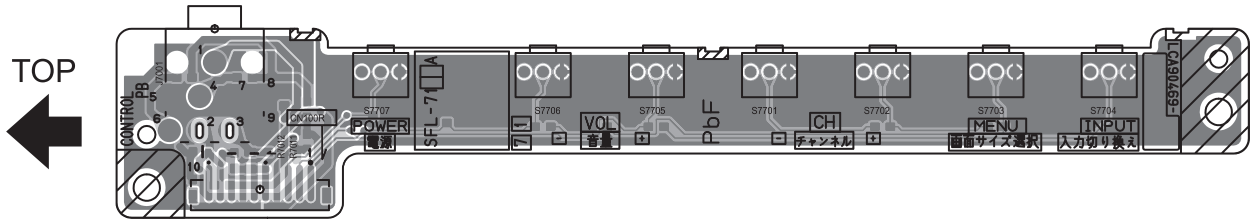
CONNECTOR PWB PATTERN [PARTS SIDE]


TOP
CONNECTOR PB ASS'Y
LCA90495-
CN1011
CN1012
CN0001
CN0002
CV2
1CV1
CL0004
UB
UD
C4210
C4211
L4802
L4902
L4803
L4903
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

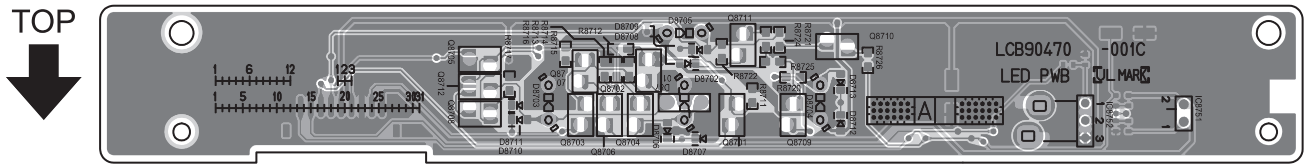
FRONT CONTROL PWB PATTERN [SOLDER SIDE]


TOP
LCB90469 -001C
CONTROL PWB
S7704
S7703
S7702
S7701
S7705
S7706
S7707
R7701
R7702
R7704
C7702
R7703
C7701
C7703
J7001

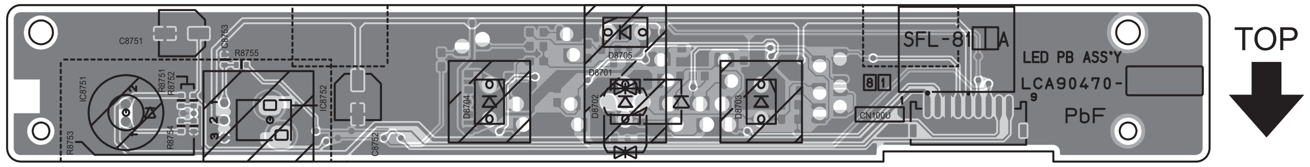
FRONT CONTROL PWB PATTERN [PARTS SIDE]


TOP
CONTROL PB
S7707
POWER
電源
SFL-7
S7706
VOL
音量
S7705
PbF
S7701
CH
チャンネル
S7702
S7703
MENU
画面サイズ選択
S7704
INPUT
入力切り換え
LCA90469-

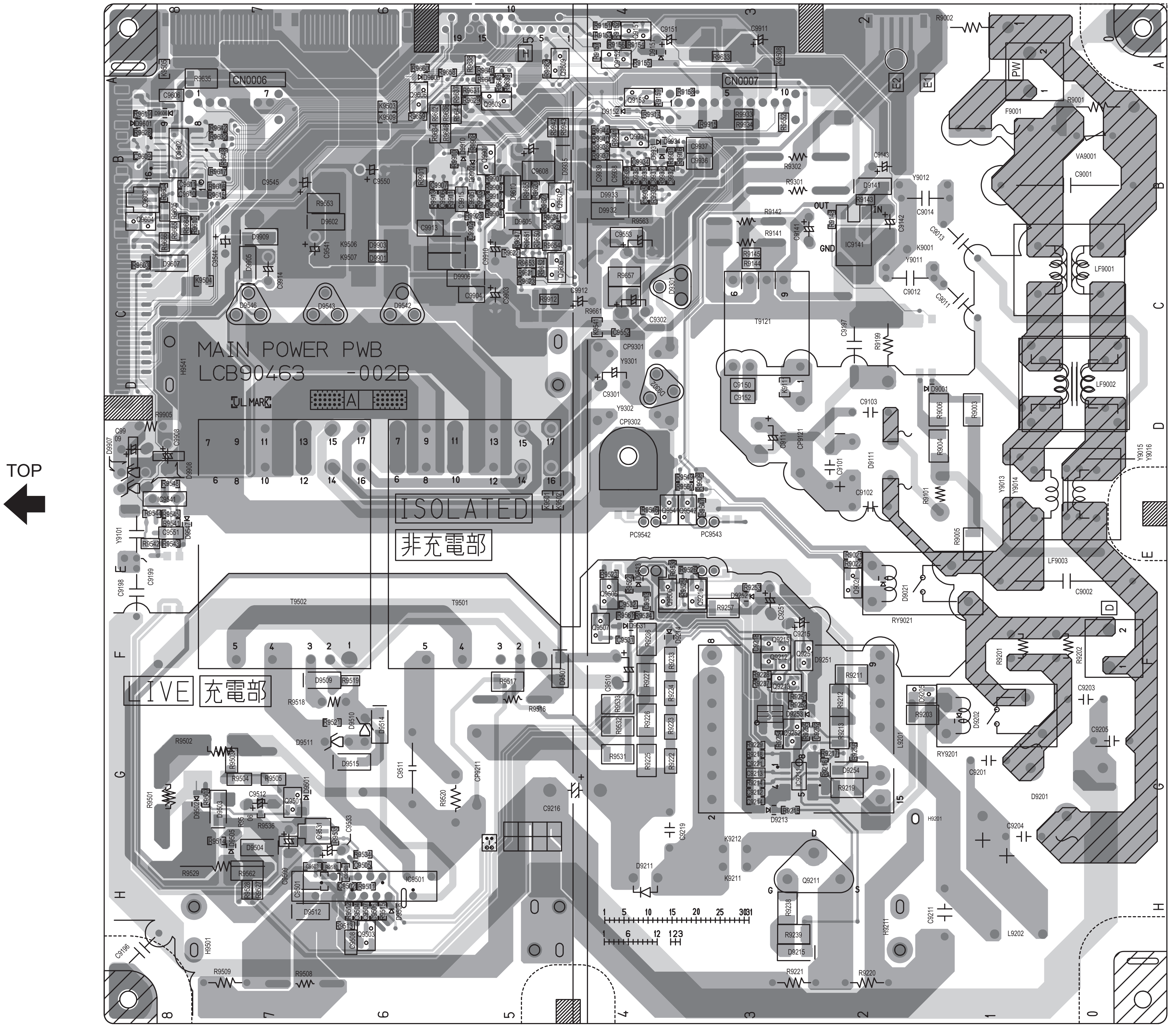
FRONT LED PWB PATTERN [SOLDER SIDE]


TOP
LCB90470 -001C
LED PWB
1 6 12
123
1 5 10 15 20 25 3031

FRONT LED PWB PATTERN [PARTS SIDE]

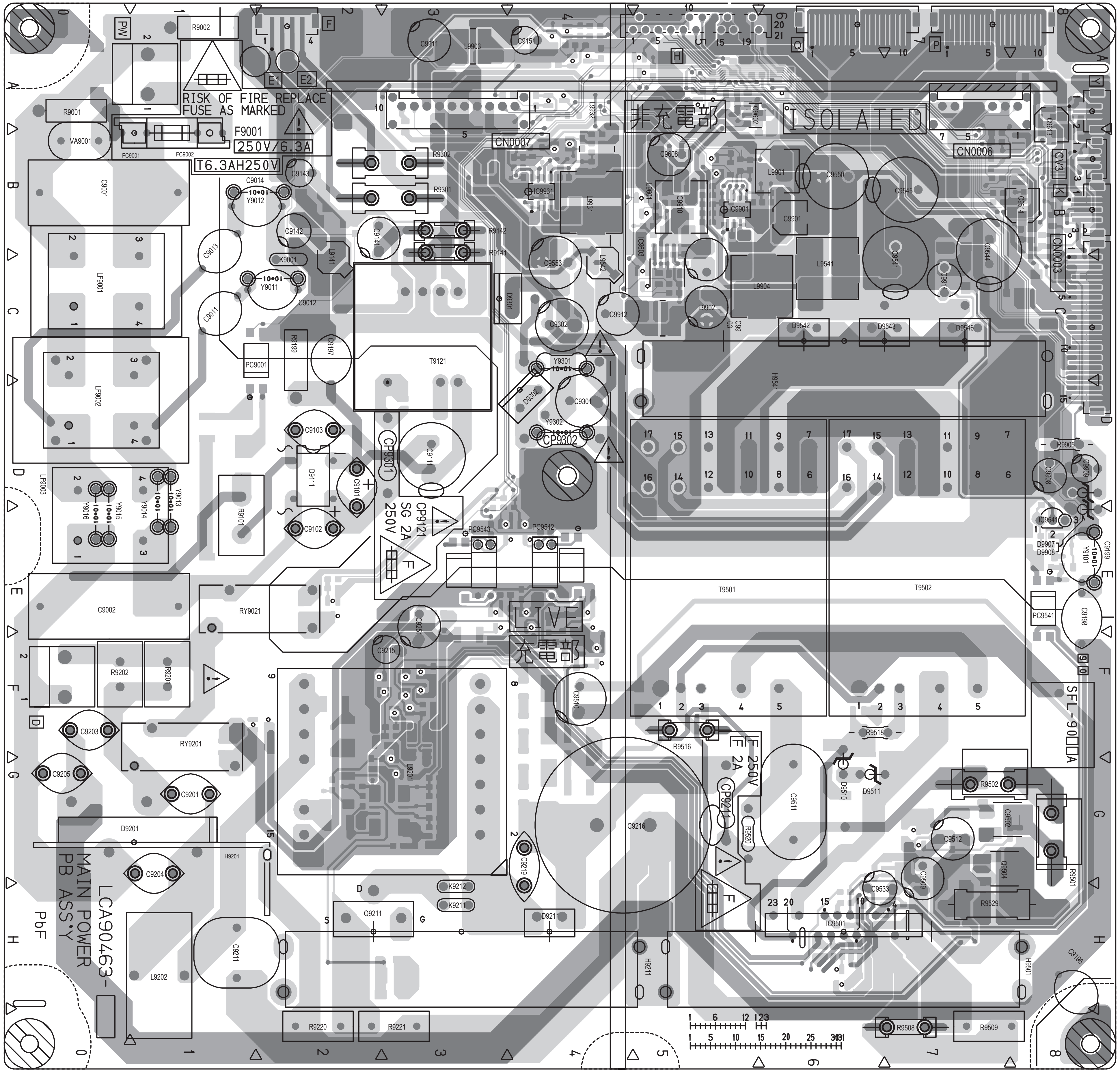

TOP
SFL-8
LED PB ASS'Y
LCA90470-
PbF
C8751
R8755

POWER PWB PATTERN [SOLDER SIDE]



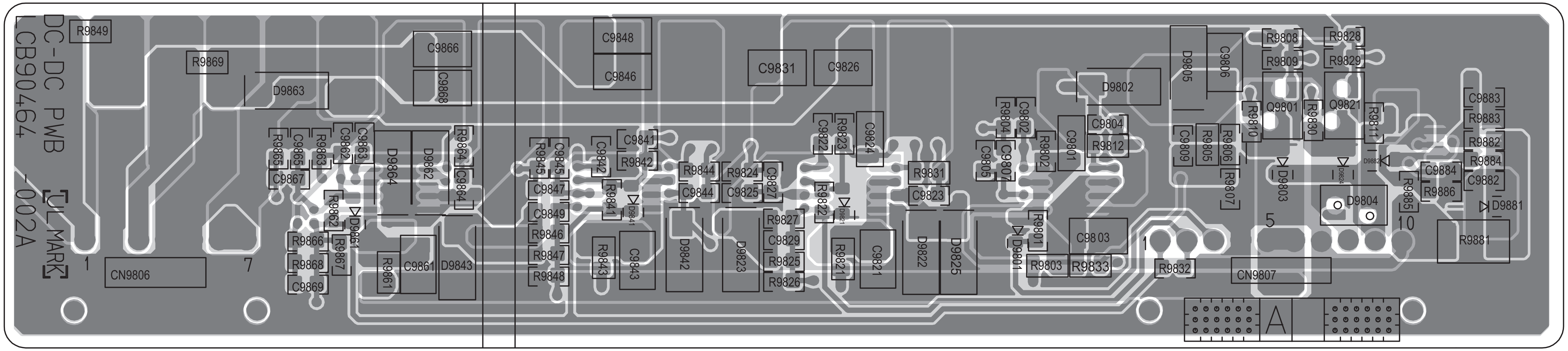
TOP
MAIN POWER PWB
LCB90463 -002B
ISOLATED
非充電部
LIVE
充電部
CN0006
CN0007
T9502
T9501
T9121
LF9001
LF9002
LF9003
RY9021
RY9201
IC9141
IC9501
Q9211
F9001
VA9001
PW
OUT
IN
GND

POWER PWB PATTERN [PARTS SIDE]


RISK OF FIRE REPLACE FUSE AS MARKED
F9001
250V/6.3A
T6.3AH250V
ISOLATED
非充電部
LIVE
充電部
CN0007
CN0006
CN0003
T9121
T9501
T9502
CP9121
SG 2A
250V
CP9211
F 250V
F 2A
SFL-90□□A
LCA90463-
MAIN POWER
PB ASS'Y
PbF
LF9001
LF9002
LF9003
C9001
C9002
RY9021
RY9201
D9201
H9201
L9202
C9211
Q9211
D9211
IC9501
H9501
H9211
H9541
TOP

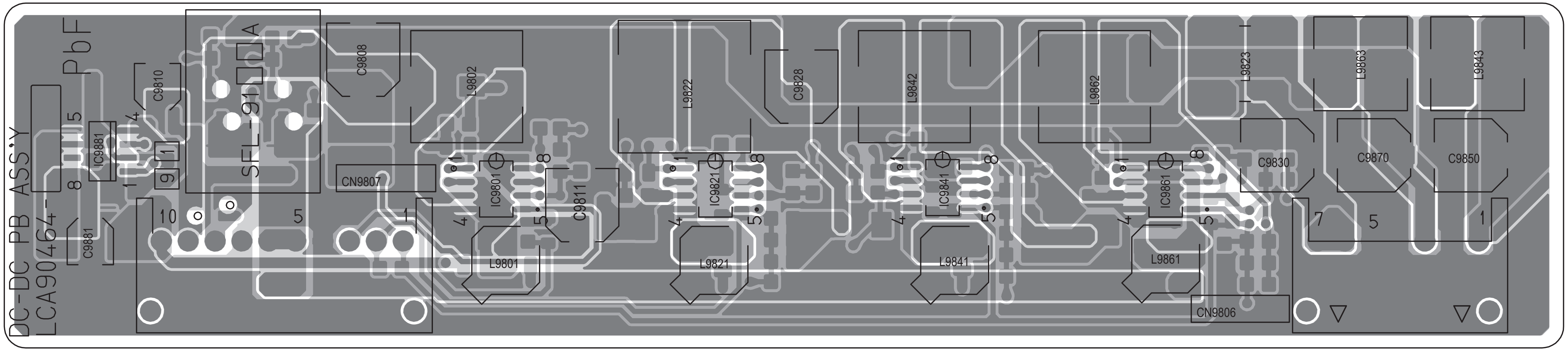
REGULATOR PWB PATTERN [SOLDER SIDE]

FRONT


DC-DC PWB
LCB90464-002A
UL MARK
R9849
R9869
C9866
C9868
D9863
R9865
C9865
R9863
C9862
C9863
D9864
D9862
R9864
C9864
C9867
R9862
D9861
R9866
R9867
R9868
C9869
R9861
C9861
D9843
CN9806
1
7
C9848
C9846
R9845
C9845
C9847
C9849
R9846
R9847
R9848
C9842
C9841
R9842
R9841
D9841
R9843
C9843
D9842
R9844
C9844
R9824
C9825
C9827
D9823
R9827
C9829
R9825
R9826
C9831
C9826
C9822
R9823
C9824
R9822
D9821
R9821
C9821
R9831
C9823
D9822
D9825
R9804
C9802
C9805
C9807
R9802
C9801
D9802
C9804
R9812
R9801
D9801
C9803
R9803
R9833
R9832
D9805
C9806
C9809
R9805
R9806
R9807
R9808
R9809
R9810
Q9801
R9830
R9828
R9829
Q9821
R9811
D9803
D9804
CN9807
5
10
A
C9883
R9883
R9882
R9884
C9884
C9882
R9885
R9886
D9881
R9881

REGULATOR PWB PATTERN [SOLDER SIDE]

FRONT


DC-DC PB ASS'Y
LCA90464-
PbF
SFL-91
C9810
C9881
5
4
8
1
9
10
5
C9808
L9802
CN9807
C9881
IC9801
8
1
4
5
C9811
L9801
L9822
C9828
IC9821
L9821
L9842
IC9841
L9841
L9862
IC9861
L9861
L9823
L9863
L9843
C9830
C9870
C9850
7
5
1
CN9806

VOLTAGE CHARTS

<RECIEVER PWB>
[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC3501	
1	5.1
2	1.5
3	1.5
4	0
5	2.4
6	2.3
7	0
8	0
9	0
10	2.6
11	5.1
12	4.8
13	4.9
14	0
15	2.5
16	1.1
17	1.2
18	0
19	5.1
20	0
21	0
22	5.1
23	0
24	0
25	0
26	2.0
27	2.0
28	0
29	0
30	0
31	3.7
32	0
33	8.1
34	6.4
35	0
36	0
37	3.7
38	3.7
39	0
40	3.8
41	0
42	2.6
43	0
44	0
IC3503	
1	4.5
2	4.5
3	4.4
4	0
5	4.5
6	4.5
7	4.5
8	9.0
IC3504	
1	8.9
2	0
3	8.1
IC3505	
1	0.6
2	1.2
3	1.1
4	0
5	0
6	0
7	0.6
8	2.5
IC3506	
1	0
2	0.5
3	0
4	0.9
5	5.1
IC3507	
1	0
2	1.1
3	0
4	0.6
5	2.5
IC3508	
1	0
2	2.5
3	0
4	1.2
5	2.5
IC3509	
1	0
2	2.2
3	0
4	1.1
5	2.5
IC3510	
1	2.5
2	0
3	5.1
4	5.1
Q3001	
E	2.1
C	9.0
B	2.8
Q3502	
E	0
C	8.9
B	0
Q3503	
E	0
C	5.1
B	0
TU3002	
1	32.1
2	5.0
3	5.1
4	5.2
5	0
6	0
7	NC
8	NC
9	NC
10	NC
11	NC
12	NC
13	3.1
14	5.0
15	2.2
16	3.7
17	2.4
18	0

<ANALOG SIGNAL PWB>
[P.2-11 - P.2-12]

MODE PIN NO.	DC (V)
IC501	
1	3.9
2	4.4
3	3.9
4	4.5
5	4.4
6	0
7	0
8	4.3
9	4.4
10	4.3
11	4.5
12	4.5
13	0
14	0
15	3.9
16	4.4
17	3.9
18	4.4
19	4.5
20	0
21	0
22	4.0
23	4.5
24	3.9
25	4.4
26	4.5
27	0
28	4.9
29	4.4
30	3.9
31	4.5
32	9.0
33	4.6
34	4.8
35	0
36	3.8
37	4.4
38	4.5
39	3.7
40	4.5
41	4.4
42	9.0
43	4.5
44	4.3
45	4.5
46	3.7
47	4.4
48	0
49	4.8
50	4.5
51	4.5
52	4.5
53	4.4
54	4.5
55	3.7
56	4.0
57	0
58	0
59	4.4
60	3.8
61	4.5
62	4.5
63	5.0
64	4.5
IC502	
1	4.3
2	4.6
3	9.0
4	3.3
5	0
6	9.0
IC503	
1	4.6
2	3.0
3	9.0
4	2.7
5	0
6	2.3
Q507	
E	4.3
C	0
B	3.7
Q508	
E	2.8
C	0
B	2.2
Q510	
E	0
C	0
B	0
Q2051	
E	0
C	0
B	-0.1
Q2052	
E	0
C	0
B	-0.2
Q2053	
E	0
C	-0.1
B	0
Q2151	
E	0
C	0
B	-0.2
Q2152	
E	0
C	0
B	-0.2
Q2153	
E	0
C	-0.2
B	0
Q2171	
E	4.7
C	4.4
B	0
Q2172	
E	0
C	4.8
B	0
Q2173	
E	0
C	0
B	3.8
Q2451	
E	0
C	0
B	0
Q2452	
E	0
C	0
B	0
Q2453	
E	0
C	0
B	0

[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC711	
1	5.2
2	0
3	4.6
4	4.6
5	0.3
6	4.6
7	0.3
8	0
9	5.3
10	5.2
11	5.2
12	5.3
13	0
14	4.8
15	4.8
16	5.2
IC801	
1	2.4
2	2.0
3	1.3
4	0
5	2.3
6	5.2
7	2.6
8	0
9	0.3
10	0.8
11	2.5
12	5.2
13	4.8
14	4.8
15	0
16	0
17	0
18	0
19	0
20	2.5
21	1.7
22	1.9
23	1.9
24	0
25	2.6
26	2.6
27	2.6
28	0
29	0
30	0
31	0
32	5.2
33	2.6
34	2.6
35	2.6
36	0
37	5.2
38	4.1
39	1.8
40	3.3
41	2.0
42	4.7
43	1.8
44	2.0
45	5.2
46	2.0
47	3.9
48	1.8
IC802	
1	1.3
2	3.2
3	5.2
4	2.6
5	0
6	1.9
7	2.4
8	0
9	0
10	0
11	5.1
12	0
13	5.2
14	0
15	4.8
16	4.7
17	0
18	0
19	2.5
20	5.2
21	0
22	2.7
23	2.7
24	3.5
25	3.4
26	0
27	3.4
28	1.6
Q402	
S	3.1
D	3.0
G	4.8
Q403	
S	3.1
D	3.0
G	4.7
Q801	
E	2.8
C	0
B	2.1
Q802	
E	2.6
C	0
B	2.0
Q804	
E	1.5
C	5.2
B	2.1
Q805	
E	1.6
C	5.2
B	2.1
Q806	
E	1.5
C	5.2
B	2.1
Q807	
E	1.5
C	5.2
B	2.2
Q808	
E	1.6
C	5.2
B	2.2
Q809	
E	1.5
C	5.2
B	2.1
Q810	
E	2.0
C	0
B	1.4
Q851	
E	1.6
C	0
B	1.0
Q853	
E	2.0
C	9.0
B	2.6
Q854	
E	2.8
C	8.9
B	3.4
Q855	
E	2.0
C	0
B	1.4
Q858	
E	2.8
C	9.0
B	3.4
Q859	
E	3.4
C	0
B	2.8
Q862	
E	1.0
C	4.1
B	1.6
Q863	
E	3.5
C	5.1
B	4.1

[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
IC201	
1	2.8
2	0
3	0
4	0
5	2.2
6	0
7	0
8	1.8
9	0
10	2.9
11	0
12	2.9
13	0
14	2.3
15	0
16	1.7
17	0
18	4.8
19	4.8
20	0
21	4.2
22	3.4
23	0
24	0
25	1.6
26	1.5
27	0
28	0
29	0
30	0.1
31	5.2
32	1.6
33	0
34	2.2
35	2.5
36	2.2
37	0
38	0
39	0
40	1.7
41	0
42	5.2
43	0
44	0
45	1.9
46	5.2
47	2.2
48	0
IC202	
1	0
2	5.1
3	0
4	0.1
5	0
6	0
7	0.1
8	0
9	0.2
10	0
11	0.2
12	0.2
13	0
14	0
15	0
16	5.0
IC301	
1	5.2
2	4.8
3	4.6
4	0
5	4.6
6	0
7	4.6
8	5.0
9	4.7
10	0.5
11	4.4
12	4.5
13	0
14	4.6
15	0
16	4.7
17	0
18	4.6
19	0.5
20	4.4
21	4.4
22	0
23	4.5
24	0
25	0
26	4.3
27	4.3
28	0
29	0
30	4.3
31	9.0
32	4.4
33	4.5
34	0
35	4.4
36	4.4
37	0
38	4.4
39	4.5
40	4.5
41	4.5
42	0
43	4.3
44	4.4
45	0
46	4.3
47	8.9
48	4.7
49	0
50	4.7
51	0
52	4.7
53	0
54	4.4
55	4.4
56	0
57	4.7
58	0
59	4.6
60	0
61	4.6
62	0.5
63	4.4
64	4.4
65	0
66	4.6
67	4.6
68	4.6
69	0
70	4.4
71	4.4
72	0
73	5.2
74	4.7
75	4.7
76	4.7
77	0
78	4.4
79	4.4
80	0
Q301	
E	3.7
C	9.0
B	4.4
Q302	
E	3.7
C	9.0
B	4.4
Q303	
E	3.6
C	9.0
B	4.4
Q307	
E	2.8
C	0
B	2.2

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC6001	
1	8.8
2	4.0
3	0.3
4	0.5
5	4.0
6	4.2
7	0
8	0
9	4.0
10	4.0
11	0.5
12	0.2
13	4.0
14	0
IC6201	
1	16.0
2	3.0
3	12.1
4	2.6
5	0
IC6521	
1	6.1
2	6.1
3	6.1
4	6.1
5	6.1
6	6.1
7	6.1
8	6.1
9	0.9
10	6.1
11	3.0
12	3.0
13	4.7
14	4.8
15	0
16	12.1
17	0
18	0
19	6.1
20	5.9
21	6.1
22	6.1
23	6.1
24	6.1
25	6.1
26	6.1
27	6.1
28	6.1
29	6.1
30	6.1
IC6551	
1	6.3
2	6.2
3	6.2
4	0
5	6.1
6	6.2
7	6.3
8	12.1
IC6552	
1	6.2
2	6.2
3	6.1
4	0
5	6.1
6	6.2
7	6.2
8	12.1
IC6621	
1	-9.9
2	0
3	0
4	-16.5
5	0
6	0
7	-9.9
8	15.3
IC6661	
1	-9.9
2	-10.3
3	0
4	0
5	16.0
6	12.1
7	0
8	-16.5
9	-3.6
10	-16.5
11	0
12	12.1
13	16.0
14	0
15	-3.9
16	-10.3
17	-9.9
Q6301	
E	5.3
C	12.1
B	5.9
Q6302	
E	5.3
C	12.1
B	5.9
Q6421	
E	0
C	5.2
B	0.3
Q6431	
E	9.0
C	-0.1
B	8.9
Q6521	
E	0
C	0
B	0
Q6522	
E	0
C	0
B	0
Q6523	
E	0
C	0
B	0
Q6531	
E	0
C	2.8
B	0
Q6532	
E	0
C	0
B	0.6
Q6533	
E	0
C	0
B	0.6
Q6534	
E	0.7
C	0.6
B	0.1
Q6538	
E	0
C	0
B	0
Q6539	
E	0
C	0
B	0
Q6661	
E	16.0
C	-16.4
B	16.0
Q6662	
E	-16.5
C	-0.9
B	-16.4
Q6663	
E	0
C	15.9
B	0
Q6673	
E	11.6
C	0
B	12.0

[P.2-19 - P.2-20]

MODE PIN NO.	DC (V)
IC902	
1	4.9
2	0
3	3.3
Q901	
E	12.9
C	0
B	9.0
Q902	
E	5.9
C	5.3
B	5.2
Q903	
E	0
C	0
B	0.7

<DIGATAL SIGNAL PWB>
[P.2-21 - P.2-22]

MODE PIN NO.	DC (V)
IC1502	
1	4.4
2	0
3	3.6
4	0
5	3.6
6	9.0
7	3.7
8	0

[P.2-23 - P.2-24]

MODE PIN NO.	DC (V)
IC0401	
1	3.3
2	0.1
3	0
4	3.2
5	3.4
Q0101	
E	3.1
C	7.7
B	3.8
Q0102	
E	8.4
C	3.6
B	7.7
Q0104	
E	4.4
C	0
B	3.6
Q0105	
E	0
C	0
B	0.6
Q0107	
E	1.5
C	0
B	0.9
Q0108	
E	0.9
C	9.0
B	1.5
Q0109	
1	1.5
2	0.1
3	0
4	1.5
5	0.1
6	1.5
Q0110	
1	0
2	0.6
3	0.6
4	0.1
5	0.5
6	0.1
Q0201	
E	3.0
C	7.7
B	3.7
Q0202	
E	8.5
C	3.8
B	7.8
Q0203	
E	0
C	1.9
B	0
Q0204	
E	4.5
C	0
B	3.8
Q0205	
E	0
C	0
B	0
Q0206	
E	0
C	0
B	0.7
Q0207	
E	2.7
C	0
B	1.9
Q0208	
E	1.8
C	9.0
B	2.4
Q0209	
1	2.4
2	0.2
3	2.4
4	2.5
5	0.2
6	2.5
Q0210	
1	0
2	0.7
3	0.6
4	0.2
5	0.6
6	0.2
Q0301	
E	3.0
C	7.7
B	3.8
Q0302	
E	8.5
C	3.8
B	7.7
Q0303	
E	0
C	1.9
B	0
Q0304	
E	4.6
C	0
B	3.8
Q0305	
E	0
C	0.2
B	0
Q0306	
E	0
C	0
B	0.7
Q0307	
E	2.5
C	0
B	1.9
Q0308	
E	1.8
C	9.0
B	2.4
Q0309	
1	2.3
2	0.2
3	2.5
4	2.5
5	0.2
6	2.5
Q0310	
1	0
2	0.6
3	0.6
4	0.1
5	0.6
6	0.2
Q0311	
E	0
C	3.5
B	0

[P.2-25 - P.2-26]

MODE PIN NO.	DC (V)
IC1001	
1	2.5
2	0.1
3	1.2
4	0
5	3.4
6	1.6
7	1.6
8	0
9	0
10	1.5
11	0
12	0
13	0
14	0
15	0
16	0
17	1.5
18	0
19	0
20	0
21	0
22	0
23	0
24	3.4
25	0
26	0
27	0
28	0
29	0
30	3.3
31	3.2
32	3.3
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	3.3
43	0.6
44	1.0
45	0
46	1.5
47	1.5
48	1.4
49	1.7
50	0
51	1.5
52	0
53	2.5
54	1.5
55	1.3
56	0
57	0
58	1.5
59	1.5
60	0
61	0
62	0
63	1.0
64	3.4
65	1.2
66	1.0
67	0
68	0.9
69	0.9
70	1.5
71	0.9
72	0.9
73	0
74	2.4
75	0.3
76	0
77	1.7
78	1.6
79	0
80	1.1
81	-0.1
82	1.7
83	1.2
84	0
85	0
86	2.4
87	0.7
88	0.8
89	1.7
90	1.2
91	2.4
92	1.2
93	0
94	0
95	0.7
96	2.4
97	1.9
98	0
99	1.1
100	1.4
IC1002	
1	3.3
2	0
3	3.4
4	1.3
5	2.5
IC1003	
1	1.5
2	0
3	2.5
4	2.5
IC1005	
1	
2	0
3	0
4	0
5	0
6	0
7	0.6
8	0.9
9	1.5
10	1.5
11	1.3
12	1.7
13	1.6
14	1.4
15	3.4
16	0
17	0
18	0.3
19	0.9
20	1.0
21	0.9
22	0.9
23	1.0
24	1.2
25	1.0
26	3.4
27	0
28	0
29	0.1
30	0.2
31	0
32	0
33	0
34	0
35	1.4
36	3.4
37	0
38	0
39	0
40	3.4
41	0
42	0
43	0
44	0
45	0.2
46	0
47	2.7
48	0
49	0
50	3.3
51	1.0
52	1.2
53	0.9
54	0.9
55	0
56	0.9
57	0.9
58	0.9
59	2.4
60	3.3
61	0
62	0
63	1.4
64	1.6
65	1.7
66	1.3
67	3.4
68	1.5
69	1.5
70	1.0
71	0.6
72	0
73	0
74	0
75	3.4
76	3.3
77	0
78	0
79	0
80	0
81	0
82	0
83	0
84	0
85	0
86	0
87	0
88	3.4
89	0
90	0
91	0.2
92	0
93	0
94	0
95	0
96	0
97	2.8
98	0
99	0
100	3.3
Q1001	
E	0
C	3.3
B	0
Q1003	
E	1.2
C	2.4
B	1.9
Q1004	
E	3.1
C	9.0
B	3.7
Q1005	
S	3.4
D	3.3
G	3.3
Q1006	
S	3.3
D	3.3
G	3.3
Q1101	
E	2.6
C	9.0
B	3.2
Q1103	
E	1.6
C	0
B	0.9
Q1201	
E	3.8
C	9.0
B	4.4
Q1203	
E	2.0
C	0
B	1.4
Q1301	
E	3.7
C	9.1
B	4.3
Q1303	
E	2.5
C	0
B	1.8
Q1401	
E	3.7
C	9.0
B	4.4
Q1403	
E	2.5
C	0
B	1.9

[P.2-29 - P.2-30]

MODE PIN NO.	DC (V)
IC3004	
1	3.3
2	0
3	1.0
4	0.2
5	3.3
6	1.0
7	0
8	0.1
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	5.3
IC3005	
1	0
2	0
3	0
4	0
5	3.3
IC3006	
1	3.3
2	0.2
3	0
4	0
5	0
6	0.3
7	3.3
8	3.3
IC3007	
1	0.3
2	0.1
3	0.1
4	0
5	0
6	0
7	0.3
8	3.4
IC3008	
1	3.4
2	0
3	0.3
4	5.2
5	3.3
IC3403	
1	0
2	3.3
3	0
4	3.4
IC3501	
1	1.3
2	2.6
3	1.3
4	1.3
5	0
6	1.3
7	1.3
8	2.6
9	1.2
10	1.3
11	0
12	1.3
13	1.3
14	2.6
15	2.6
16	0
17	1.2
18	1.3
19	0
20	1.2
21	1.3
22	2.6
23	0.4
24	0.4
25	1.8
26	1.3
27	1.8
28	0
29	0.7
30	.7
31	0.7
32	0.7
33	0.7
34	0.7
35	2.6
36	0.7
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.7
46	0
47	0.7
48	0.7
49	0.7
50	0.8
51	0.7
52	0
53	1.3
54	1.4
55	1.2
56	0.4
57	0.4
58	1.3
59	2.6
60	1.2
61	1.3
62	0
63	1.2
64	1.3
65	2.6
66	0
67	2.6
68	1.3
69	1.3
70	0
71	1.2
72	1.2
73	2.6
74	1.3
75	1.3
76	0
77	1.3
78	1.3
79	2.6
80	1.2
81	1.2
82	0
83	1.2
84	1.3
85	0
86	2.6
87	-0.1
88	-0.1
89	-0.3
90	-0.1
91	-0.1
92	0
93	-0.1
94	1.3
95	2.6
96	2.5
97	1.2
98	1.3
99	-0.1
100	1.3
IC3502	
1	1.2
2	2.6
3	1.2
4	1.3
5	0
6	1.2
7	1.3
8	2.6
9	1.3
10	1.3
11	0
12	1.1
13	1.3
14	2.6
15	2.6
16	0
17	1.3
18	1.2
19	0
20	1.3
21	1.3
22	2.6
23	0.4
24	0.4
25	1.3
26	1.3
27	1.3
28	0
29	0.7
30	0.7
31	0.7
32	0.7
33	0.7
34	0.8
35	2.6
36	0.7
37	0
38	1.0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.7
46	0
47	0.7
48	0.8
49	0.7
50	0.7
51	0.7
52	0
53	1.3
54	1.3
55	1.2
56	0.4
57	0.4
58	1.3
59	2.6
60	1.3
61	1.3
62	0
63	1.2
64	1.3
65	2.6
66	0
67	2.6
68	1.3
69	1.3
70	0
71	1.3
72	1.3
73	2.6
74	1.3
75	1.3
76	0
77	1.3
78	1.3
79	2.6
80	1.2
81	1.3
82	0
83	1.3
84	1.3
85	0
86	2.6
87	-0.5
88	-0.4
89	-0.2
90	-0.3
91	-0.5
92	0
93	-0.3
94	1.3
95	2.6
96	2.6
97	1.3
98	1.3
99	0
100	1.3
IC3503	
1	0
2	2.6
3	1.3
4	1.3
5	2.6
6	2.6
7	2.6
8	1.3
Q3001	
E	2.2
C	3.3
B	2.8
Q3002	
E	2.9
C	0
B	2.2
Q3003	
E	0.7
C	3.3
B	1.3
Q3004	
E	1.4
C	0
B	0.8

[P.2-31 - P.2-32]

MODE PIN NO.	DC (V)
IC4003	
1	0
2	-0.1
3	0
4	0
5	0
6	0
7	3.3
8	3.3
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0.1
22	0
23	0.5
24	0
25	1.0
26	1.1
27	1.1
28	1.1
29	0.7
30	3.3
31	0
32	3.3
IC4004	
1	0
2	0
3	0
4	0
5	3.4
6	3.4
7	0
8	3.3

[P.2-33 - P.2-34]

MODE PIN NO.	DC (V)
IC6502	
1	3.4
2	2.2
3	1.2
4	0.8
5	0
6	1.1
7	1.2
8	2.5
9	3.3
10	0.5
11	0
12	0
13	0
14	1.2
15	0.5
16	2.4
17	0.1
18	0.8
19	0
20	0.9
21	-0.5
22	0
23	0
24	1.1
25	1.7
26	3.2
27	3.3
28	0
29	0
30	2.4
31	1.5
32	3.3
33	0
34	3.4
35	0
36	0
37	1.3
38	1.2
39	1.3
40	1.2
41	1.1
42	1.3
43	0
44	3.4
45	1.1
46	1.4
47	1.1
48	1.4
49	0
50	0.5
51	0.9
52	0.6
53	0
54	0.7
55	0.5
56	0.1
Q4001	
E	0
C	1.2
B	0.5
Q6501	
E	0
C	3.3
B	-0.2
CN000W	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	1.2
10	0
11	1.4
12	0
CN0LV2	
1	0
2	0
3	1.4
4	1.1
5	0
6	0
7	1.4
8	1.1
9	0
10	0
11	1.3
12	1.1
13	0
14	0
15	1.2
16	1.2
17	0
18	0.1
19	1.2
20	1.2
21	0
22	0
23	0
24	0
25	0
26	0
27	5.1
28	5.1
29	5.1
30	5.0
31	5.1

[P.2-37 - P.2-38]

MODE PIN NO.	DC (V)
IC7602	
1	0
2	0
3	0
4	0
5	3.3
6	3.3
7	0
8	3.3

[P.2-39 - P.2-40]

MODE PIN NO.	DC (V)
IC7001	
1	0
2	0
3	3.3
4	0
5	0
6	0
7	3.3
8	0
9	0
10	3.3
11	3.2
12	3.3
13	3.1
14	3.3
15	3.3
16	3.2
17	3.3
18	3.3
19	0
20	3.3
21	0
22	3.3
23	1.5
24	1.5
25	3.3
26	3.3
27	0
28	3.3
29	3.3
30	3.3
31	3.3
32	3.3
33	0
34	3.3
35	0
36	3.3
37	0
38	3.3
39	3.2
40	2.9
41	0
42	0
43	0
44	3.3
45	1.5
46	3.3
47	3.3
48	3.3
49	3.3
50	3.3
51	3.3
52	3.3
53	3.3
54	3.3
55	3.3
56	3.3
57	0
58	0
59	3.3
60	3.3
61	0
62	0.8
63	1.5
64	0.1
65	0
66	3.3
67	0
68	3.3
69	3.3
70	0
71	3.3
72	3.3
73	3.3
74	3.3
75	0
76	3.3
77	3.2
78	0
79	0
80	3.0
81	0
82	3.3
83	3.3
84	3.3
85	3.3
86	3.3
87	3.3
88	0
89	3.3
90	3.3
91	3.2
92	0
93	3.3
94	0
95	3.3
96	0
97	0
98	0
99	3.3
100	3.4
IC7002	
1	0
2	0
3	0
4	0
5	3.3
6	3.3
7	0
8	3.3
IC7003	
1	3.3
2	0
3	3.3
4	0
5	3.3
6	3.3
7	3.3
8	3.3
IC7401	
1	0
2	3.3
3	0
4	3.3
Q7201	
E	4.9
C	4.8
B	4.2
Q7202	
E	1.9
C	4.2
B	2.4
Q7203	
E	1.9
C	4.9
B	0.5
Q7204	
E	0
C	0
B	0.6
Q7205	
E	0
C	0.6
B	0
Q7206	
E	0
C	3.2
B	0
Q7207	
E	3.3
C	3.2
B	0
Q7208	
E	3.3
C	3.3
B	0
Q7209	
E	3.3
C	3.3
B	0

[P.2-41 - P.2-42]

MODE PIN NO.	DC (V)
IC7501	
1	3.2
2	1.1
3	1.1
4	3.2
5	0
6	1.1
7	1.1
8	1.0
9	0.9
10	1.0
11	0
12	3.3
13	0
14	3.3
15	0
16	0
17	0
18	0
19	0
20	0
21	2.4
22	0
23	3.2
24	1.6
25	0
26	1.6
27	1.9
28	3.2
29	0
30	0
31	0
32	3.2
33	2.9
34	1.3
35	2.2
36	1.6
37	1.3
38	0
39	3.0
40	1.1
41	0
42	3.3
43	0.9
44	3.3
45	3.3
46	1.1
47	1.9
48	0
49	0
50	3.3
51	1.0
52	0
53	3.3
54	1.9
55	1.6
56	1.0
57	1.0
58	0.7
59	1.0
60	0
61	3.3
62	1.0
63	0.3
64	0.2
65	1.3
66	1.3
67	0.6
68	0
69	3.3
70	0.3
71	2.9
72	0.3
73	3.3
74	3.3
75	2.9
76	3.1
77	1.5
78	3.1
79	3.1
80	3.1
81	3.1
82	3.3
83	3.2
84	0
85	3.3
86	0
87	2.5
88	3.3
89	3.3
90	3.1
91	3.2
92	2.9
93	0.5
94	0.5
95	3.1
96	3.1
97	3.1
98	3.3
99	3.3
100	0.7
101	3.0
102	3.3
103	3.4
104	0
105	1.6
106	3.3
107	0
108	0.6
109	0.4
110	0
111	2.5
112	0.3
113	0.3
114	0.2
115	0
116	2.5
117	0
118	0
119	2.4
120	0
121	0.5
122	0
123	2.4
124	2.4
125	2.4
126	2.9
127	0.9
128	0
IC7502	
1	3.3
2	3.2
3	0
4	0
IC7503	
1	3.2
2	0.2
3	3.3
4	0.3
5	0.3
6	0
7	0.3
8	0.3
9	3.3
10	0.3
11	0.3
12	0
13	0.2
14	3.3
15	0
16	3.3
17	0
18	0
19	3.3
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	3.3
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	3.3
38	3.3
39	0
40	0
41	0
42	0.2
43	0
44	0.2
45	0.3
46	0
47	0.3
48	0.3
49	3.3
50	0.3
51	0.2
52	0
53	0.2
54	0
IC7504	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	3.3
11	3.3
12	0
13	0
14	0
15	0
16	3.3
17	3.3
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	3.3
27	0
28	3.3
29	0
30	0
31	0
32	0
33	0
34	0.1
35	0
36	0
37	3.3
38	0
39	0
40	0
41	0
42	0
43	0.1
44	0
45	0
46	0
47	3.3
48	3.3
IC7505	
1	4.8
2	0
3	1.2
4	2.5
5	3.3
IC7506	
1	0.3
2	3.4
3	0.2
4	0.2
5	0.2
6	0
7	0
8	0
9	0
10	0
11	0
12	3.3
13	0.1
14	3.4
15	3.4
16	3.3
IC9201	
1	6.2
2	24.0
3	1.5
4	0
5	1.2
6	0.9
7	3.2
8	1.1
Q7501	
E	2.2
C	0
B	1.5
Q7508	
E	0
C	0
B	0.9

<CONNECTOR PWB>
[P.2-43 - P.2-44]

MODE PIN NO.	DC (V)
IC4301	
1	4.6
2	4.6
3	4.6
4	0
5	4.6
6	4.6
7	4.6
8	9.0

<FRONT LED PWB>
[P.2-46]

MODE PIN NO.	DC (V)
IC8752	
1	3.2
2	4.9
3	0
Q8703	
E	0
C	0
B	3.2
Q8704	
E	3.5
C	3.3
B	0
Q8710	
E	0
C	0.1
B	3.1
Q8711	
E	0
C	0
B	3.2

<POWER PWB>
[P.2-47 - P.2-48]

MODE PIN NO.	DC (V)
IC9141	
1	5.6
2	0
3	4.9
IC9211	
1	2.5
2	2.1
3	1.5
4	0.1
5	4.6
6	0
7	4.1
8	20.0
Q9021	
E	0
C	0
B	0.7
Q9211	
S	0.1
D	209.5
G	4.1
Q9212	
E	0
C	10.0
B	0
Q9213	
1	0
2	10.0
3	20.0
4	20.1
5	0.1
6	0
Q9215	
E	0
C	0
B	0.6
Q9216	
E	0
C	10.6
B	0.1
Q9251	
E	0
C	9.9
B	0.5
Q9252	
E	0
C	0.1
B	5.3
Q9501	
E	0
C	0
B	0.7
Q9502	
S	0
D	375.1
G	1.0
Q9503	
E	0
C	0.1
B	0.6
Q9504	
S	22.4
D	37.4
G	20.8
Q9506	
E	0
C	10.0
B	0.1
Q9541	
E	0
C	0
B	3.2
Q9602	
E	12.3
C	12.9
B	13.0
Q9603	
E	0
C	0.1
B	3.3
Q9606	
E	0
C	0
B	0.6
Q9901	
E	0
C	0.1
B	0.6
CN000P	
1	24.0
2	24.0
3	24.0
4	24.0
5	24.0
6	0
7	0
8	0
9	0
10	0
IC9881	
1	0
2	4.6
3	3.5
4	0
5	0
6	0
7	0
8	9.2
Q9801	
E	0
C	0
B	0.6
Q9821	
E	0
C	0
B	0.6

[P.2-49 - P.2-50]

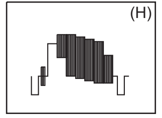
MODE PIN NO.	DC (V)
IC9501	
4	0
7	20.1
8	0
10	4.9
11	1.1
12	5.0
13	3.0
14	0.8
15	4.9
16	1.3
19	250.5
20	249.1
23	375.8
IC9541	
1	2.4
2	0
3	10.6
IC9602	
1	0
2	4.8
3	4.8
4	5.3
5	0.1
6	5.3
7	0
8	0
9	0
10	0
11	5.3
12	0
13	5.3
14	0
15	0
16	0
IC9901	
1	13.4
2	24.0
3	9.0
4	0
5	1.2
6	1.0
7	6.2
8	1.1

<REGULATOR PWB>
[P.2-51 - P.2-52]

MODE PIN NO.	DC (V)
IC9801	
1	9.7
2	24.0
3	5.2
4	0
5	1.2
6	1.0
7	6.1
8	1.1
IC9821	
1	9.7
2	24.0
3	5.2
4	0
5	1.1
6	1.0
7	5.1
8	1.1
IC9841	
1	8.1
2	24.0
3	3.3
4	0
5	1.2
6	0.9
7	3.3
8	1.1
IC9861	
1	7.5
2	24.0
3	2.8
4	0
5	1.2
6	1.0
7	3.1
8	1.1

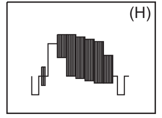
WAVEFORMS

RECEIVER PWB
(SHEET1)

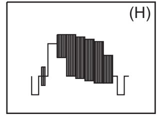
TU3002-16


1.0 Vp-p

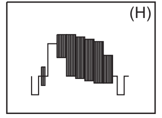
ANALOG SIGNAL PWB (1/5)
(SHEET2)

IC501-41


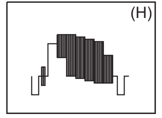
2.1 Vp-p

IC501-44


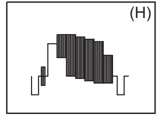
2.1 Vp-p

IC501-49


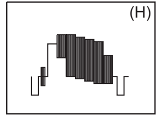
2.1 Vp-p

IC501-53


2.1 Vp-p

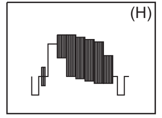
IC501-56


2.1 Vp-p

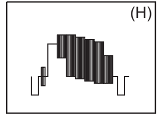
IC501-63


1.0 Vp-p

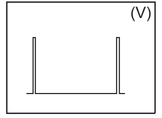
ANALOG SIGNAL PWB (2/5)
(SHEET3)

IC801-1


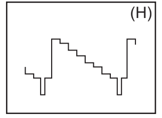
0.9 Vp-p

IC801-3


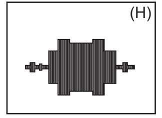
2.0 Vp-p

IC801-4


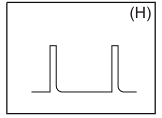
4.0 Vp-p

IC801-5


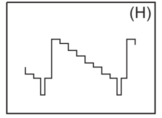
0.8 Vp-p

IC801-7


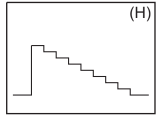
0.6 Vp-p

IC801-9


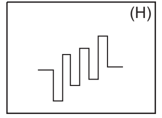
4.5 Vp-p

IC801-11


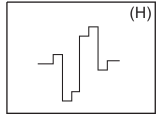
0.8 Vp-p

IC801-21


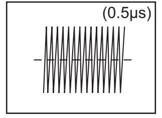
0.5 Vp-p

IC801-22


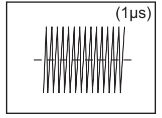
0.6 Vp-p

IC801-23


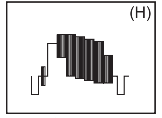
0.6 Vp-p

IC801-38


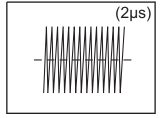
0.4 Vp-p

IC801-46


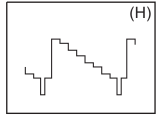
0.8 Vp-p

IC802-7


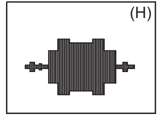
1.0 Vp-p

IC802-19


0.4 Vp-p

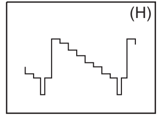
IC802-25


1.7 Vp-p

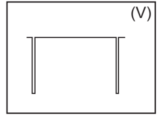
IC802-27


1.0 Vp-p

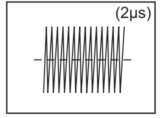
ANALOG SIGNAL PWB (3/5)
(SHEET4)

IC201-8


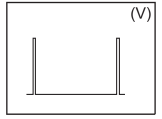
0.7 Vp-p

IC201-19


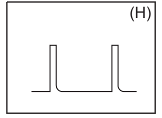
5.0 Vp-p

IC201-21


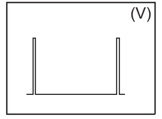
0.3Vp-p

IC201-29


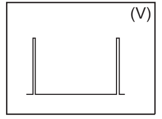
3.4 Vp-p

IC201-30


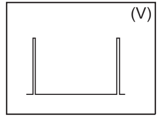
3.4 Vp-p

IC202-4


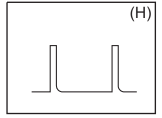
3.8 Vp-p

IC202-5


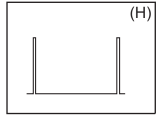
3.5 Vp-p

IC202-7


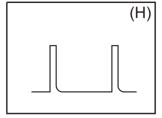
3.8 Vp-p

IC202-9


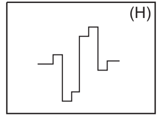
4.0 Vp-p

IC202-11


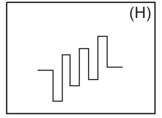
3.4 Vp-p

IC202-12


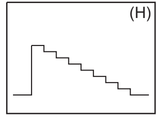
4.2 Vp-p

IC301-35


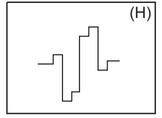
1.1 Vp-p

IC301-36


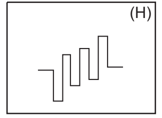
1.1 Vp-p

IC301-38


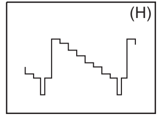
1.0 Vp-p

IC301-43


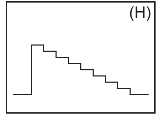
1.5 Vp-p

IC301-44


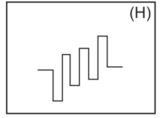
1.5 Vp-p

IC301-46


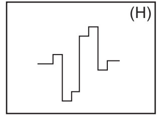
1.7 Vp-p

IC301-74


0.5 Vp-p

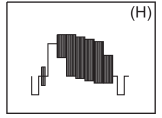
IC301-75


0.6 Vp-p

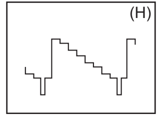
IC301-76


0.6 Vp-p

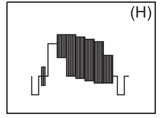
DIGITAL SIGNAL PWB (1/11)
(SHEET7)

IC1502-1


2.0 Vp-p

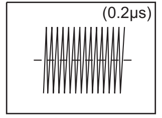
IC1502-5


1.7 Vp-p

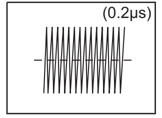
IC1502-7


2.0 Vp-p

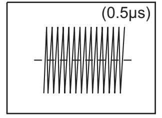
DIGITAL SIGNAL PWB (3/11)
(SHEET9)

IC1001-6


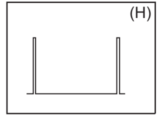
1.5 Vp-p

IC1001-7


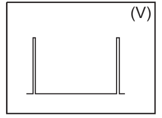
6.0 Vp-p

IC1001-58


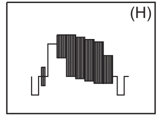
5.2 Vp-p

IC1001-75


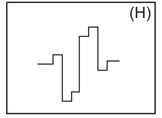
3.4 Vp-p

IC1001-76


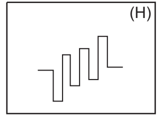
3.5 Vp-p

IC1001-85


0.7 Vp-p

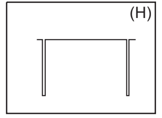
IC1001-92


0.7 Vp-p

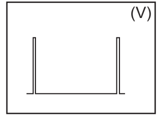
IC1001-94


0.7 Vp-p

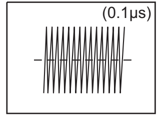
DIGITAL SIGNAL PWB (7/11)
(SHEET13)

IC6502-27


3.5 Vp-p

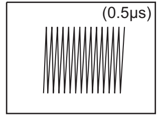
IC6502-28


3.5 Vp-p

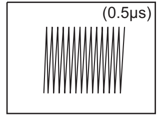
IC6502-31


4.0 Vp-p

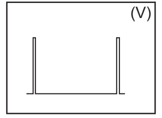
DIGITAL SIGNAL PWB (10/11)
(SHEET16)

IC7001-23


2.0 Vp-p

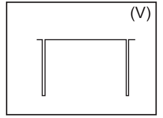
IC7001-24


3.6 Vp-p

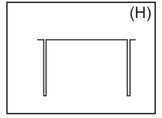
IC7001-78


3.4 Vp-p

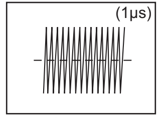
DIGITAL SIGNAL PWB (11/11)
(SHEET17)

IC7501-102


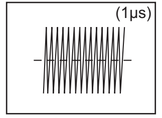
3.6 Vp-p

IC7501-103


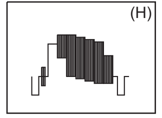
3.6 Vp-p

IC7501-108


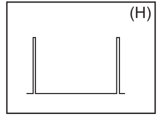
1.4 Vp-p

IC7501-109


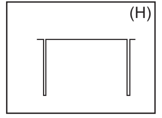
1.5 Vp-p

IC7501-121


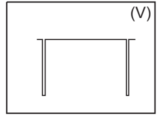
1.3 Vp-p

IC7506-1


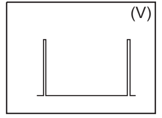
3.8 Vp-p

IC7506-2


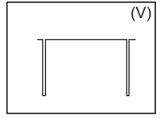
3.2 Vp-p

IC7506-12


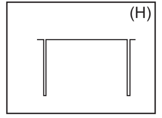
3.6 Vp-p

IC7506-13


3.8 Vp-p

IC7506-14


3.4 Vp-p

IC7506-15


3.6 Vp-p

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